



**CHEMOTECHNIQUE
DIAGNOSTICS**

President's message

On behalf of Chemotechnique, I would like to extend our sincere appreciation for your continued trust in our patch test products for the diagnosis of contact allergy.

As we present the 2026 edition of the Chemotechnique catalogue, this is an opportunity to reflect on our shared commitment to advancing our diagnostic tools for clinicians and improving the quality of life for patients worldwide. In response to evolving regulatory requirements, we have strengthened our organisation to ensure that we consistently meet the expectations of our global customers.

Our commitment to quality, safety, and compliance remains at the centre of everything we do. These principles guide our daily work and reinforce Chemotechnique's position as a trusted name in patch testing.

Thank you for your continued confidence and partnership. We look forward to supporting you and your patients throughout 2026 and beyond.

Yours sincerely,

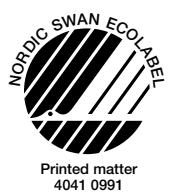
Bo Niklasson
CEO and President
Chemotechnique MB Diagnostics AB

Table of Contents

President's message	1
Chemotechnique	4
Contact Allergy	6
Patch Test Products	8
• The IQ Chamber	8
• IQ Ultimate™	9
• IQ Ultra™	10
• BasIQ Ultra™	11
• Patch Test Accessories	14
• Spot Tests	15
• Topical Haptens.....	16
• Hapten Series	16
• International Baseline Series	16
• International Screening Series.....	18
Composition of International Baseline Series	22
Composition of International Screening Series	47
List of Topical Haptens	70
Hapten Information.....	92
Catalogue amendments	192



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Disclaimer

This Patch Test Products & Reference Manual is intended for medical professionals only. While every effort has been made to ensure the accuracy of the information provided, Chemotechnique assumes no responsibility for errors, omissions, or changes in product details. Users are responsible for verifying the suitability of products for their intended use and complying with all applicable regulations. Refer to official product labeling for complete information, including warnings and contraindications. Chemotechnique disclaims all liability for any damages arising from the use of these products.



CHEMOTECHNIQUE DIAGNOSTICS

Chemotechnique - The trusted name in Patch Testing



Chemotechnique MB Diagnostic AB has provided Patch Test solutions since 1981 and is proudly recognized as the Trusted name in Patch Testing. Chemotechnique is a Sweden based company with global reach through world-wide distribution.

Research and Development



With emphasis on R&D and working in close cooperation with contact dermatitis research groups such as the International Contact Dermatitis Research Group (**ICDRG**), the European Environmental and Contact Dermatitis Research Group (**EECDRG**) and the North American Contact Dermatitis Group (**NACDG**), Chemotechnique ensures a relevant hapten selection.

Trusted Patch Test Solutions



We provide a comprehensive range of patch test products, including haptens, patch test units, accessories, and spot tests, designed to support accurate diagnosis of contact allergies. Manufactured in Sweden under stringent **GMP** standards and audited by the Swedish Medical Products Agency, our products ensure quality and reliability. Backed by **ISO 13485** and **ISO 9001** certifications, our trusted range is designed to support you in providing consistent and dependable contact allergy diagnoses for your patients.



Contact Allergy



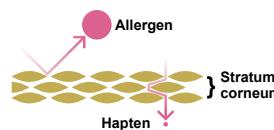
Contact Allergy & Allergic Contact Dermatitis (ACD)



Contact Allergy is the result of specific immune responses caused by **antigens**. Unlike **allergens** (such as pollens and animal proteins) causing other forms of allergy, the culprits of Contact Allergies, **haptens**, are not antigens by themselves. Haptens (typically small, chemically reactive molecules with low molecular weight) need to penetrate the horny layer of the skin in order to conjugate to epidermal and dermal proteins forming "hapten-carrier complexes" with antigenic properties capable of causing **contact allergy**. Examples of widely recognized haptens include nickel, formaldehyde and other preservatives in cosmetics.

Contact allergy is the state of being sensitized to a hapten. Sensitization to a hapten occurs when the accumulated exposure to the hapten surpasses a certain threshold. This threshold is individual and varies greatly, some will develop an allergy the first time encountering the hapten while others withstand a life time of exposure without becoming sensitized. The prevalence of contact allergy to at least one hapten is around 20% in the general population¹.

Allergic Contact Dermatitis (ACD) is a disease of the skin that can emerge in people that are exposed to specific haptens after having developed contact allergy to them. Once allergic, the subject might respond with skin inflammation (redness, flaking skin or blisters) whenever exposed. Individuals handling haptens as part of their profession run a higher risk of developing **ACD**. ACD accounts



for 20% of all reported work related skin diseases². Occupational fields with high occurrences of ACD include (but are not limited to) hairdressing, construction work, cleaning and health care. Chronic once developed, and with no known cure, contact allergy is of major distress for those affected.

Diagnosis



While contact allergy cannot be treated it can be diagnosed; by **Patch Testing** and not by **Skin Allergy Testing** (such as skin prick testing - used for the diagnosis of, for instance, respiratory allergies). Knowing what hapten is causing the allergic reactions helps the patient stay clear of that specific hapten, avoiding **ACD** and thereby effectively improving the quality of life for the individual.

The indication for Patch Testing is to **test all patients in whom contact allergy is suspected or needs to be ruled out**, regardless of age or anatomical site of dermatitis.

Chemotechnique provides all tools required to perform patch tests the IQ way - the gold standard for diagnosing contact allergy. In order to perform a diagnostic Patch Test, two crucial components are required; **Topical Haptens** and **Patch Test Units**.



The hapten preparations used in patch testing should ideally be specifically developed for patch testing purposes. The **Topical Haptens** manufactured by Chemotechnique are standardized and prepared by mixing high purity fine particle ground raw material with an appropriate vehicle, such as high purity grade white petrolatum, using state of the art technology.

Patch Test Units

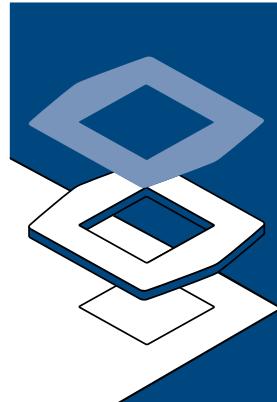


To ensure that the hapten remains in direct contact with the skin for the time required (48h) to create a standardized controlled reaction, a Patch Test Unit is needed. A Patch Test Unit is composed of sets of chambers mounted on an adhesive tape. The purpose of the patch test chambers is to provide a defined area in which the skin will be exposed to the haptens during the testing.

¹ Alinaghi et al, 2018, ² ECHA Annex XV Restriction report, skin sensitizing substances, 2019



IQ Chamber with hapten



IQ Ultimate™ Patch Test Unit

IQ Ultimate™

Quantity
100 Test Units
Unit size (mm)
52 x 118 mm
IQ Chambers/Unit
10 pcs
Rec.dose/
IQ Chamber
25 µl

The IQ Chamber

The advanced IQ chamber is the result of many years of product development. The laminated tape/foam/filter paper construction results in a comfortable chamber that defines a test area and helps prevent leakage. The quadrat shape allows for easy differentiation between allergic and irritant reactions. This patch test chamber design is found in **IQ Ultra™**, **BasIQ Ultra™** and **IQ Ultimate™** Patch Test Units. The integrated filter papers make handling of loose filter papers redundant.

Adhesive chamber rim



The medical grade acrylic adhesive helps prevent hapten leakage and enhances the adhesion.

Foam frame for high comfort



The chambers are made of soft polyethylene foam for patient comfort.

Integrated filter paper



The integrated filter paper facilitates handling of liquid haptens.

IQ Ultimate™ (IQ-UL)

IQ Ultimate™ is the elastic and water resistant Patch Test Unit choice for the aid of diagnosis of contact allergy in active patients. The **IQ Ultimate™** suitable for preloading features the advanced IQ Chambers mounted on flexible medical grade carrier tape with strong adhesion.

IQ Chambers



The IQ chambers are made of soft polyethylene foam chamber with medical grade acrylic adhesive and have integrated filter papers.

Water resistant



The **IQ Ultimate™** carrier tape is water resistant allowing for moderate exercise and showers during the patch test procedure.

Highly elastic



The elasticity of the **IQ Ultimate™** carrier tape permits patients to maintain an active lifestyle during the test period.

Preloadable



Preloading increases efficiency as multiple tests can be prepared in advance. By using the **Application Device™**, loading of the test units is made efficient and time saving.



IQ Ultra™

Quantity
100 Test Units
Unit size (mm)
52 x 118 mm
IQ Chambers/
Unit
10 pcs
Rec.dose/
IQ Chamber
25 µl

IQ Ultra™ Patch Test Unit

IQ Ultra™ (IQ-U)

IQ Ultra™ is the comfortable and reliable Patch Test Unit choice for the aid of diagnosis of contact allergy. The **IQ Ultra™** suitable for preloading features the advanced IQ Chambers mounted on medical grade carrier tape.

IQ Chambers



The IQ chambers are made of soft polyethylene foam chamber with medical grade acrylic adhesive and have integrated filter papers.

Preloadable



Preloading increases efficiency as multiple tests can be prepared in advance. By using the **Application Device™**, loading of the test units is made efficient and time saving.

Aluminum free

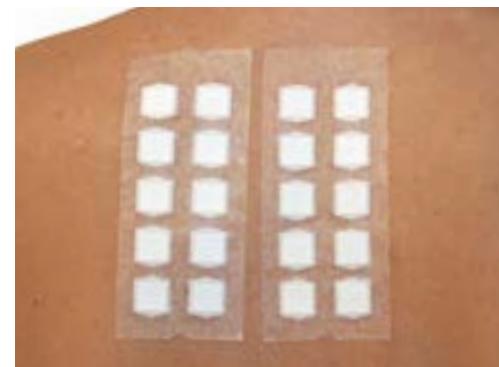


IQ Ultra™ does not have uncomfortable metal chambers that might react chemically to haptens.

Medical grade material used



IQ Ultra™ use medical grade acrylic adhesives and non-woven carrier tape.



BasIQ Ultra™

Quantity
50 Test Units
Unit size (mm)
52 x 125 mm
IQ Chambers/
Unit
10 pcs
Rec.dose/
IQ Chamber
25 µl

BasIQ Ultra™ (BIQ-U)

BasIQ Ultra™ is a Patch Test Unit especially suited for smaller clinics that do not preload haptens prior to patient appointments or for clinics accustomed to open type Patch Test Units that want to experience the IQ experience. BasIQ Ultra™ features the advanced IQ Chambers mounted on medical grade carrier tape.

IQ Chambers



The IQ chambers are made of soft polyethylene foam chamber with medical grade acrylic adhesive and have integrated filter papers.

Aluminum free



BasIQ Ultra™ does not have uncomfortable metal chambers that might react chemically to haptens.

Medical grade material used



BasIQ Ultra™ use medical grade acrylic adhesives and non-woven carrier tape.



The **Application Device (AP-P)** significantly facilitates preloading multiple **IQ Ultra™** or **IQ Ultimate™** Patch Test Units. This is convenient when preparing test series in advance, such as a **Baseline Series**, for a suitable number of patients.

Syringe Cap Organizer

 The device is equipped with a feature that facilitates the detachment and attachment of the syringe caps without skin contact.

Fixates Patch Test Units

 The design prevents the Patch Test Unit from sliding during application of the haptens.



The **Reading Plate for IQ Ultra™/ IQ Ultimate™ (RP-P)** facilitates reading and the interpretation of the skin reactions.

Easy Diagnosis



To facilitate visual diagnosis, reference pictures of allergic reactions are printed on the Reading Plate.

The images are categorized in accordance with the definition recommended by the **International Contact Dermatitis Research Group (ICDRG)**.



The **Chemo Skin Marker Medium™** is a long lasting skin marking tool specially suited for patch test site marking.

Distinct marking



The Chemo Skin Marker™ - Medium has a medium round (bullet) type tip for a distinct marking.

The skin marker is non-toxic, non-irritating and non-tattooing.

Chemo Skin Markers™- Medium (SMM-4)

Chemo Skin Markers™ - Medium are provided in boxed sets of 4 units



Chemo Nickel Test™ (NT) and Chemo Cobalt Test™ (CoT) are one-component solutions that enable easy detection of free nickel or cobalt in metallic objects.

Rub & Compare



Rub a moistened cotton swab on the suspected metal object and compare the result with the reference color.

Chemo Spot Tests

Volume:
8 ml (50+ tests)

Reagents:
Nickel: Dimethylglyoxime
Cobalt: Nitroso-R salt

Topical Haptens



Chemotechnique offers a wide range of quality Topical Haptens. The different preparations are available for purchase in sets of series or as individual preparations. Hapten Series are divided into two categories, Baseline Series and Screening Series. The composition of the various Baseline Series, as well as the additional Screening Series, has been carefully selected based on the latest studies and in close co-operation with leading Contact Dermatitis Societies

High quality



The Topical Haptens are manufactured by homogenizing finely ground top tier raw materials with high purity liquid (aqua or ethanol) or semi-solid (white petrolatum) vehicles.

Preloading



Non-volatile Topical Haptens may be preloaded onto **IQ Ultra™** or **IQ Ultimate™** Patch Test Units prior to patient application. Hapten preparations that may not be preloaded are marked:



Listed online



The composition of some Series is not listed in this printed catalogue but only available for review online. These series are subject to irregular updates why consulting the **chemotechnique.se** for current composition is advised. Affected series are marked with:



Topical Haptens:

Topical Haptens are delivered in either 5 ml syringes or in 8 ml dropper bottles. Each syringe or dropper bottle contains preparation allowing for approximately 150 hapten applications (25µl doses) including priming.

Baseline Series



The haptens in a Baseline Series form the foundation for all routine patch testing. Chemotechnique has developed several regional and national Baseline Series in co-operation with local clinics and research groups. These tailored Baseline Series enable efficient routine Patch testing with maintained high relevance.

In addition to Baseline Series, a Screening Series may be added based on the occupation and everyday exposure of the patient.

International Baseline Series:

- European Baseline (S-1000)
- European Comprehensive Baseline (ECB-1000)
- International (Standard) Baseline (IS-1000)
- International Comprehensive Baseline (ICB-1000)
- Latin American Baseline (LA-1000)
- North American Baseline (NA-1000)
- North American Comprehensive (NAC-80)
- American Core Series (AC-1000)

National Baseline Series:

- Australian Baseline (ABS-1000)
- Belgian Baseline (BS-1000)
- British Baseline (GB-1000)
- Chinese Baseline (CB-1000)
- Indian Baseline (INS-1000)
- Italian Baseline (SIDAPA-1000)
- Korean Baseline (KOR-1000)
- New Zealand Baseline/Extended (NZBS/NZBSE-1000)
- Portuguese Baseline (PB-1000)
- Polish Baseline/Extended (PST/PSE-1000)
- Spanish Baseline/Extended (SB/SBE-1000)
- Swedish Baseline (SS-1000)

Tailored testing:

All Topical Haptens produced by Chemotechnique can be ordered separately, making customization of series possible. This is ideal when catering for patient specific exposure.

International Baseline Series

European (Comprehensive) Baseline / (S-1000, ECB-1000) p. 22 p.24



The European Baseline (EBS) was the first defined Baseline Series and forms the foundation for many other Baseline Series. The Comprehensive Series includes additional haptens for routine screening as recommended by the EBS branch of the European Society of Contact Dermatitis (**ESCD**)

International Baseline (IS-1000) p. 27



This Baseline Series is a selection of haptens based on the studies performed by the International Contact Dermatitis Research Group (**ICDRG**).

International Comprehensive Baseline (ICB-1000) p. 29



This extensive Baseline Series is ideal for physicians preferring comprehensive routine screening. The selection of haptens is based on the studies performed by the North American Contact Dermatitis Group (**NACDG**).

Pediatric (PD-1000) p. 33



This Baseline Series is a selection of haptens tailored for paediatric testing based on the studies performed by the Pediatric Contact Dermatitis Workgroup.

Latin American Baseline (LA-1000) p. 35



This Baseline Series is a selection of haptens based on the studies performed by the Colegio Ibero-Latinoamericano de Dermatología (**CILAD**).

North American Baseline Series (NA-1000, NAC-80) p.37 / p.40



These Baseline Series are selections of haptens based on studies performed by the North American Contact Dermatitis Group (**NACDG**). The Series contains 60 and 80 haptens respectively, providing suitable Baseline Series for any clinic.

American Core Series (AC-1000) p.43



This Baseline Series is a selection of haptens recommended by the American Contact Dermatitis Society (**ACDS**).

Screening Series



The Screening Series are used in combination with a Baseline Series to facilitate the screening of patients with occupational, or recreational, exposure to a defined set of haptens.

International Screening Series:

- Bakery (B-1000)
- Corticosteroid (CS-1000)
- Cosmetic (C-1000)
- Cutaneous Adverse Drug Reaction (CAD-1000)
- Dental Screening (DS-1000)
- Dental Materials - Patients (DMP-1000)
- Dental Materials - Staff (DMS-1000)
- Epoxy (E-1000)
- Fragrance (F-1000)
- Hairdressing (H-1000)
- Implant (IMP-1000)
- Isocyanate (I-1000)
- Leg Ulcer (LU-1000)
- Medicament (ME-1000)
- Metal (MET-1000)
- Metal Extended (METE-1000)
- (Meth) Acrylate - Adhesives, Dental, Printing & Other .. (MA-1000)
- (Meth) Acrylate - Artificial Nails (MN-1000)
- Oil & Cooling Fluid (O-1000)
- Photopatch (PP-1000)
- Plant (PL-1000)
- Plastic & Glue (PG-1000)
- Rubber Additives (R-1000)
- Shoe (SH-1000)
- Sunscreen (SU-1000)
- Textile Colors & Finish (TF-1000)

Photopatch testing:

Photopatch Series test for reactions to irradiated and non-irradiated photohaptens. The test method when testing photopatch series differs from regular patch testing. Please visit www.photopatch.eu for the ESCD approved methodology.

International Screening Series

Bakery (B-1000) p. 47



This series is a selection of haptens (primarily preservatives and substances valued for their fragrance and taste) included in foods and pastries.

Corticosteroid (CS-1000) p. 48



This series is a selection of haptens found in topical pharmaceutical products such as corticosteroid creams and ointments.

Cosmetic (C-1000) p. 48



This series is a selection of haptens used for fragrance, preservation, sun protection and formulation of cosmetics and beauty products.

Cutaneous Adverse Drug Reaction (CAD-1000) p. 50



This series is a selection of haptens present in pharmaceutical products such as antibiotics, NSAID's and painkillers. These pharmaceutical products may cause systemic dermatitis.

Dental Screening (DS-1000) p. 51



This series is a selection of haptens, primarily metals and plastics, which **both patients and professionals** are exposed to in dental care.

Dental Materials - Patients (DMP-1000) p. 52



This series is a selection of haptens that primarily dental care **patients** are exposed to. These haptens include plastics, fragrances and materials used for mending teeth.

Dental Materials - Staff (DMS-1000) p. 52



This series is a selection of haptens that primarily dental care **professionals** are exposed to. These haptens include plastics, fragrances and materials used for mending teeth.

Epoxy (E-1000) p. 53



This series is a selection of haptens (primarily stabilizers, additives, resins and epoxies) professionals working with epoxy pastes and glues are exposed to.

Fragrance (F-1000) p. 54



This series is a selection of haptens (fragrances) found in perfumes, scented products, cleaning products and beauty products among others.

Hairdressing (H-1000) p. 56



This series is a selection of haptens that hairdressing professionals are exposed to. These haptens include coloring agents, stabilizers, metals and preservatives.

Implant (IMP-1000) p. 57



This series contains haptens which are included in metal implants, bone cement and antibiotics which are all known to cause contact allergy.

Isocyanate (I-1000) p. 58



This series is a selection of haptens (primarily chemicals that are used as stabilizers or additives in plastics) that professionals working with isocyanates are exposed to.

Leg Ulcer (LU-1000) p. 58



This series is a selection of haptens (substances used for their medical, preservative or formulative properties) which patients can be exposed to when being treated for leg ulcers.

Medicament (ME-1000) p. 59



This series is a selection of haptens that healthcare professionals are exposed to when medicating antibiotics and topical pharmaceutical products.

Metal (MET-1000) p. 60



This series is a selection of haptens (metals present in everyday objects such as jewelry, coins and tools) commonly causing contact allergy.

Hapten Series

Metal Extended (METE-1000) p. 61



This series is an extension to the Metal Series, providing alternate concentrations, vehicles and markers to metals found in the Metal Series.

(Meth) Acrylate - Adhesives, Dental, Printing & Other (MA-1000) p. 61



This series is a selection of haptens that professionals working with acrylates in adhesives (primarily in the dental field) are exposed to.

(Meth) Acrylate - Nails Artificial Series (MN-1000) p. 62



This series is a selection of haptens (plastics and acrylates) found in artificial nails and products relating to the adhesion of artificial nails.

Oil & Cooling Fluid (O-1000) p. 63



This series is a selection of haptens (primarily stabilizers and preservatives) that professionals working with mechanical fluids are exposed to.

Photopatch (PP-1000) p. 64



This series is a selection of haptens (UV-blockers, additives and pharmaceutical compounds) present in skincare products protecting against the sun.

Plant (PL-1000) p. 65



This series is a selection of haptens (plant extracts) that outside their natural environment commonly are found in "natural / organic" beauty products.

Plastic & Glue (PG-1000) p. 65



This series is a selection of haptens (stabilizers, plastics, phthalates, preservatives and bactericides) that professionals working with plastics are exposed to.

Rubber Additive (R-1000) p. 66



This series is a selection of haptens (stabilizers, antioxidants, preservatives and bactericides) that professionals working with rubber are exposed to.

Shoe (SH-1000) p. 67



This series is a selection of haptens (tanning materials, coloring agents and preservatives/bactericides) that are found in shoes and in the shoe manufacturing industry.

Sunscreen (SU-1000) p. 68



This series is a selection of haptens (UV-blockers) found in skincare products that protect against the sun.

Textile Colors & Finish (TF-1000) p. 68



This series is a selection of haptens (primarily coloring agents and bactericides) found in textiles and clothes.



Composition of International Baseline Series

CAPITAL LETTERS: Indicates INCI name of substance.

 : Volatile hapten, not recommended for preloading.

¹ Also present in European Baseline Series.

² Emulsifier: SORBITAN SESQUIOLEATE 5%.

³ Emulsifier: SORBITAN SESQUIOLEATE 1%.

⁴ Emulsifier: SORBITAN SESQUIOLEATE 2%.

⁵ Contains DECYL GLUCOSIDE.

⁶ Present in national series. Visit www.chemotechnique.se for further information.

^{EC} Directive 2003/15/EC relating to cosmetic products.

European Baseline Series

S-1000

Compound	Conc.	Veh.	Art. No.
	%(w/w)		
1. Potassium dichromate	0.5	pet	P-014A
2. p-PHENYLENEDIAMINE (PPD)	1.0	pet	P-006
3. Thiuram mix	1.0	pet	Mx-01
- Dipentamethylenethiuram disulfide	0.25		
- Tetraethylthiuram disulfide (TETD)	0.25		
- Tetramethylthiuram disulfide (TMTD)	0.25		
- Tetramethylthiuram monosulfide (TMTM)	0.25		
4. Neomycin sulfate	20.0	pet	N-001
5. Cobalt(II)chloride hexahydrate	1.0	pet	C-017A
6. Caine mix III	10.0	pet	Mx-19
- Benzocaine	5.0		
- Dibucaine hydrochloride	2.5		
- Tetracaine hydrochloride	2.5		
7. Nickel(II)sulfate hexahydrate	5.0	pet	N-002A
8. 2-Hydroxyethyl methacrylate 	2.0	pet	H-010
9. COLOPHONIUM	20.0	pet	C-020
10. Paraben mix	16.0	pet	Mx-03C
- BUTYLPARABEN	4.0		
- ETHYLPARABEN	4.0		
- METHYLPARABEN	4.0		
- PROPYLPARABEN	4.0		
11. N-Isopropyl-N-phenyl-4-phenylenediamine (IPPD)	0.1	pet	I-004
12. LANOLIN ALCOHOL	30.0	pet	W-001

Compound	Conc.	Veh.	Art. No.
	%(w/w)		
13. Mercapto mix	2.0	pet	Mx-05A
- N-Cyclohexyl-2-benzothiazolylsulfenamide	0.5		
- Dibenzothiazyl disulfide (MBTS)	0.5		
- 2-Mercaptobenzothiazole (MBT)	0.5		
- 2-(4-Morpholinylmercapto)benzothiazol (MOR)	0.5		
14. Epoxy resin, Bisphenol A	1.0	pet	E-002
15. Peru balsam ² 	25.0	pet	B-001
16. 4-tert-Butylphenolformaldehyde resin (PTBP)	1.0	pet	B-024
17. 2-Mercaptobenzothiazole (MBT)	2.0	pet	M-003A
18. FORMALDEHYDE 	2.0	aq	F-002B
19. Fragrance mix I ² 	8.0	pet	Mx-07
- AMYL CINNAMAL	1.0		
- CINNAMYL ALCOHOL	1.0		
- CINNAMAL	1.0		
- EUGENOL	1.0		
- GERANIOL	1.0		
- HYDROXYCITRONELLAL	1.0		
- ISOEUGENOL	1.0		
- Oakmoss absolute	1.0		
20. Sesquiterpene lactone mix	0.1	pet	Mx-18
- Alantolactone	0.033		
- Costunolide	0.033		
- Dehydrocostus lactone	0.033		
21. SODIUM METABISULFITE	1.0	pet	S-011
22. Propolis	10.0	pet	P-022
23. METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE 	0.02	aq	C-009B
24. Budesonide	0.01	pet	B-033B
25. Tixocortol-21-pivalate	0.1	pet	T-031B
26. METHYLDIBROMO GLUTARONITRILE	0.5	pet	D-049E
27. Fragrance mix II 	14.0	pet	Mx-25
- Hexyl cinnamic aldehyde	5.0		
- COUMARIN	2.5		
- FARNESOL	2.5		
- HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	2.5		
- CITRAL	1.0		
- CITRONELLOL	0.5		
28. HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	5.0	pet	L-003

Compound	Conc.	Veh.	Art. No.
	% (w/w)		
29. METHYLISOTHIAZOLINONE	0.2	aq	M-035B
30. BENZISOTHIAZOLINONE	0.1	pet	B-003B
31. Textile dye mix ¹	1.6	pet	Mx-32
- Disperse Blue 35	0.1		
- Disperse Orange 1	0.15		
- Disperse Red 1	0.4		
- DISPERSE RED 17	0.4		
- Disperse Yellow 3	0.4		
- Disperse Blue 106	0.075		
- Disperse Blue 124	0.075		
32. DECYL GLUCOSIDE ⁴	5.0	pet	D-065

Revised February 2025

European Comprehensive Baseline Series

ECB-1000

1. Potassium dichromate	0.5	pet	P-014A
2. p-PHENYLENEDIAMINE (PPD)	1.0	pet	P-006
3. Thiuram mix ¹	1.0	pet	Mx-01
- Dipentamethylenethiuram disulfide	0.25		
- Tetraethylthiuram disulfide (TETD)	0.25		
- Tetramethylthiuram disulfide (TMTD)	0.25		
- Tetramethylthiuram monosulfide (TMTM)	0.25		
4. Neomycin sulfate	20.0	pet	N-001
5. Cobalt(II)chloride hexahydrate	1.0	pet	C-017A
6. Caine mix III ¹	10.0	pet	Mx-19
- Benzocaine	5.0		
- Dibucaine hydrochloride	2.5		
- Tetracaine hydrochloride	2.5		
7. Nickel(II)sulfate hexahydrate	5.0	pet	N-002A
8. 2-Hydroxyethyl methacrylate	2.0	pet	H-010
9. COLOPHONIUM	20.0	pet	C-020
10. Paraben mix ¹	16.0	pet	Mx-03C
- BUTYLPARABEN	4.0		
- ETHYLPARABEN	4.0		
- METHYLPARABEN	4.0		
- PROPYLPARABEN	4.0		
11. N-Isopropyl-N-phenyl-4-phenylenediamine (IPPD)	0.1	pet	I-004
12. LANOLIN ALCOHOL	30.0	pet	W-001
13. Mercapto mix ¹	2.0	pet	Mx-05A

Compound	Conc.	Veh.	Art. No.
	% (w/w)		
- N-Cyclohexyl-2-benzothiazolylsulfenamide	0.5		
- Dibenzothiazyl disulfide (MBTS)	0.5		
- 2-Mercaptobenzothiazole (MBT)	0.5		
- 2-(4-Morpholinylmercapto)benzothiazol (MOR)	0.5		
14. Epoxy resin, Bisphenol A	1.0	pet	E-002
15. Peru balsam ²	25.0	pet	B-001
16. 4-tert-Butylphenolformaldehyde resin (PTBP)	1.0	pet	B-024
17. 2-Mercaptobenzothiazole (MBT)	2.0	pet	M-003A
18. FORMALDEHYDE	2.0	aq	F-002B
19. Fragrance mix I ¹²	8.0	pet	Mx-07
- AMYL CINNAMAL	1.0		
- CINNAMYL ALCOHOL	1.0		
- CINNAMAL	1.0		
- EUGENOL	1.0		
- GERANIOL	1.0		
- HYDROXYCITRONELLAL	1.0		
- ISOEUGENOL	1.0		
- Oakmoss absolute	1.0		
20. Sesquiterpene lactone mix ¹	0.1	pet	Mx-18
- Alantolactone	0.033		
- Costunolide	0.033		
- Dehydrocostus lactone	0.033		
21. SODIUM METABISULFITE	1.0	pet	S-011
22. Propolis	10.0	pet	P-022
23. METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE	0.02	aq	C-009B
24. Budesonide	0.01	pet	B-033B
25. Tixocortol-21-pivalate	0.1	pet	T-031B
26. METHYLDIBROMO GLUTARONITRILE	0.5	pet	D-049E
27. Fragrance mix II ¹	14.0	pet	Mx-25
- Hexyl cinnamic aldehyde	5.0		
- COUMARIN	2.5		
- FARNESOL	2.5		
- HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	2.5		
- CITRAL	1.0		
- CITRONELLOL	0.5		
28. HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	5.0	pet	L-003
29. METHYLISOTHIAZOLINONE	0.2	aq	M-035B
30. BENZISOTHIAZOLINONE	0.1	pet	B-003B

Compound	Conc. Veh.	Art. No.
	% (w/w)	
31. Textile dye mix ¹	1.6	pet Mx-32
- Disperse Blue 35	0.1	
- Disperse Orange 1	0.15	
- Disperse Red 1	0.4	
- DISPERSE RED 17	0.4	
- Disperse Yellow 3	0.4	
- Disperse Blue 106	0.075	
- Disperse Blue 124	0.075	
32. DECYL GLUCOSIDE ⁴	5.0	pet D-065
33. 2-BROMO-2-NITROPROPANE-1,3-DIOL	0.5	pet B-015B
34. DIAZOLIDINYL UREA	2.0	pet D-044A
35. 2-n-Octyl-4-isothiazolin-3-one	0.1	pet O-004
36. Compositae mix II	5.0	pet Mx-29A
- Anthemis nobilis extract	1.2	
- Chamomilla recutita extract	1.2	
- Achillea millefolium extract	1.0	
- Tanacetum vulgare extract	1.0	
- Arnica montana extract	0.5	
- Parthenolide	0.1	
37. Hydroperoxides of Linalool	1.0	pet H-031A
38. Hydroperoxides of Linalool	0.5	pet H-031B
39. Hydroperoxides of Limonene	0.3	pet H-032A
40. Hydroperoxides of Limonene	0.2	pet H-032B
41. SORBITAN SESQUIOLEATE	20.0	pet S-005
42. SORBITAN OLEATE	5.0	pet S-004

Revised February 2025

Compound	Conc. Veh.	Art. No.
	% (w/w)	
International Standard Series		IS-1000
1. p-PHENYLENEDIAMINE (PPD) ¹	1.0	pet P-006
2. 4-tert-Butylphenolformaldehyde resin (PTBP)	1.0	pet B-024
3. Budesonide ¹	0.01	pet B-033B
4. Carba mix	3.0	pet Mx-06
- 1,3-Diphenylguanidine	1.0	
- ZINC DIBUTYLDITHIOCARBAMATE (ZBC) ¹	1.0	
- Zinc diethyldithiocarbamate (ZDC)	1.0	
5. METHYLISOTHIAZOLINONE + METHYLCHLORO-ISOTHIAZOLINONE	0.215 aq	C-009E
6. Peru balsam ^{1,2}	25.0	pet B-001
7. COLOPHONIUM ¹	20.0	pet C-020
8. Compositae mix II	5.0	pet Mx-29A
- Anthemis nobilis extract	1.2	
- Chamomilla recutita extract	1.2	
- Achillea millefolium extract	1.0	
- Tanacetum vulgare extract	1.0	
- Arnica montana extract	0.5	
- Parthenolide	0.1	
9. DIAZOLIDINYL UREA	2.0	pet D-044A
10. Epoxy resin, Bisphenol A ¹	1.0	pet E-002
11. FORMALDEHYDE ^{1,3}	2.0	aq F-002B
12. Fragrance mix I ^{1,2}	8.0	pet Mx-07
- AMYL CINNAMAL	1.0	
- CINNAMYL ALCOHOL	1.0	
- CINNAMAL	1.0	
- EUGENOL	1.0	
- GERANIOL	1.0	
- HYDROXYCITRONELLAL	1.0	
- ISOEUGENOL	1.0	
- Oakmoss absolute	1.0	
13. Fragrance mix II ¹	14.0	pet Mx-25
- Hexyl cinnamic aldehyde	5.0	
- COUMARIN	2.5	
- FARNESOL	2.5	
- HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	2.5	
- CITRAL	1.0	
- CITRONELLOL	0.5	
14. IMIDAZOLIDINYL UREA	2.0	pet I-001A
15. LANOLIN ALCOHOL ¹	30.0	pet W-001

Compound	Conc.	Veh.	Art. No.
	% (w/w)		
16. Mercapto mix ¹	2.0	pet	Mx-05A
- N-Cyclohexyl-2-benzothiazolylsulfenamide	0.5		
- Dibenzothiazyl disulfide (MBTS)	0.5		
- 2-Mercaptobenzothiazole (MBT)	0.5		
- 2-(4-Morpholinylmercapto)benzothiazol (MOR)	0.5		
17. METHYLDIBROMO GLUTARONITRILE	0.3	pet	D-049A
18. Peru balsam ^{1,2}	25.0	pet	B-001
19. N-Isopropyl-N-phenyl-4-phenylenediamine (IPPD) ¹	0.1	pet	I-004
20. Neomycin sulfate ¹	20.0	pet	N-001
21. Nickel(II)sulfate hexahydrate	2.5	pet	N-002B
22. Paraben mix ¹	16.0	pet	Mx-03C
- BUTYLPARABEN	4.0		
- ETHYLPARABEN	4.0		
- METHYLPARABEN	4.0		
- PROPYLPARABEN	4.0		
23. -			
24. Potassium dichromate ¹	0.5	pet	P-014A
25. QUATERNIUM-15	2.0	pet	C-007B
26. Sesquiterpene lactone mix ¹	0.1	pet	Mx-18
- Alantolactone	0.033		
- Costunolide	0.033		
- Dehydrocostus lactone	0.033		
27. Textile dye mix ¹	1.6	pet	Mx-32
- Disperse Blue 35	0.1		
- Disperse Orange 1	0.15		
- Disperse Red 1	0.4		
- DISPERSE RED 17	0.4		
- Disperse Yellow 3	0.4		
- Disperse Blue 106	0.075		
- Disperse Blue 124	0.075		
28. Thiuram mix ¹	1.0	pet	Mx-01
- Dipentamethylenethiuram disulfide	0.25		
- Tetraethylthiuram disulfide (TETD)	0.25		
- Tetramethylthiuram disulfide (TMTD)	0.25		
- Tetramethylthiuram monosulfide (TMTM)	0.25		
29. Tixocortol-21-pivalate ¹	0.1	pet	T-031B

Revised February 2025

International Comprehensive Baseline Series ICB-1000

1. Amerchol L-101	50.0	pet	A-004
2. AMMONIUM PERSULFATE	2.5	pet	A-011
3. Peru balsam ^{1,2}	25.0	pet	B-001
4. BENZISOTHIAZOLINONE	0.1	pet	B-003B
5. Benzocaine	5.0	pet	B-004
6. BENZYL ALCOHOL	10.0	sof	B-008B
7. BENZYL SALICYLATE	10.0	pet	B-010B
8. 2-BROMO-2-NITROPROPANE-1,3-DIOL	0.5	pet	B-015B
9. 4-tert-Butylphenolformaldehyde resin (PTBP) ¹	1.0	pet	B-024
10. Bacitracin	20.0	pet	B-032B
11. Budesonide	0.1	pet	B-033A
12. QUATERNIUM-15 ¹	2.0	pet	C-007B
13. CHLOROXYLENOL (PCMX)	1.0	pet	C-010B
14. CINNAMAL	1.0	pet	C-014
15. Cobalt(II)chloride hexahydrate ¹	1.0	pet	C-017A
16. COCAMIDE DEA	0.5	pet	C-019
17. COLOPHONIUM ¹	20.0	pet	C-020
18. Cloetasol-17-propionate	1.0	pet	C-028
19. TOLUENE-2,5-DIAMINE SULFATE	1.0	pet	D-002
20. 1,3-Diphenylguanidine	1.0	pet	D-022
21. DIAZOLIDINYLYL UREA	1.0	pet	D-044C
22. DMDM HYDANTOIN ³	1.0	pet	D-047B
23. METHYLDIBROMO GLUTARONITRILE ¹	0.5	pet	D-049E
24. DECYL GLUCOSIDE ⁴	5.0	pet	D-065
25. Epoxy resin, Bisphenol A ¹	1.0	pet	E-002
26. Ethyl acrylate	0.1	pet	E-004
27. Ethylenediamine dihydrochloride	1.0	pet	E-005
28. 2-Hydroxyethyl methacrylate ¹	2.0	pet	H-010
29. BENZOPHENONE-4	2.0	pet	H-023C
30. Hydroperoxides of Linalool	0.5	pet	H-031B
31. Hydroperoxides of Limonene	0.2	pet	H-032B
32. IMIDAZOLIDINYLYL UREA	2.0	pet	I-001A
33. N-Isopropyl-N-phenyl-4-phenylenediamine (IPPD) ¹	0.1	pet	I-004
34. IODOPROPYNYL BUTYLCARBAMATE	0.2	pet	I-008C
35. Lidocaine	15.0	pet	L-002B
36. HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE ¹	5.0	pet	L-003
37. LAURYL POLYGLUCOSE	3.0	pet	L-004

Compound	Conc.	Veh.	Art. No.	Compound	Conc.	Veh.	Art. No.
	% (w/w)				% (w/w)		
38. 2-Mercaptobenzothiazole (MBT)	1.0	pet	M-003B	47. Caine mix III ¹	10.0	pet	Mx-19
39. Methyl methacrylate	2.0	pet	M-013	- Benzocaine	5.0		
40. Thiuram mix ¹	1.0	pet	Mx-01	- Dibucaine hydrochloride	2.5		
- Dipentamethylenethiuram disulfide	0.25			- Tetracaine hydrochloride	2.5		
- Tetraethylthiuram disulfide (TETD)	0.25			48. Mixed dialkyl thiourea	1.0	pet	Mx-24
- Tetramethylthiuram disulfide (TMTD)	0.25			- N,N'-Dibutylthiourea	0.5		
- Tetramethylthiuram monosulfide (TMTM)	0.25			- N,N'-Diethylthiourea	0.5		
41. Paraben mix	12.0	pet	Mx-03A	49. Fragrance mix II ¹	14.0	pet	Mx-25
- BUTYLPARABEN	3.0			- Hexyl cinnamic aldehyde	5.0		
- ETHYLPARABEN	3.0			- COUMARIN	2.5		
- METHYLPARABEN	3.0			- FARNESOL	2.5		
- PROPYLPARABEN	3.0			- HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	2.5		
42. Black rubber mix	0.6	pet	Mx-04	- CITRAL	1.0		
- N-Cyclohexyl-N-phenyl-4-phenylenediamine	0.25			- CITRONELLOL	0.5		
- N,N'-Diphenyl-p-phenylenediamine	0.25			50. Compositae mix II	5.0	pet	Mx-29A
- N-Isopropyl-N-phenyl-4-phenylenediamine (IPPD)	0.1			- Anthemis nobilis extract	1.2		
43. Mercapto mix	1.0	pet	Mx-05B	- Chamomilla recutita extract	1.2		
- N-Cyclohexyl-2-benzothiazolylsulfenamide	0.25			- Achillea millefolium extract	1.0		
- Dibenzothiazyl disulfide (MBTS)	0.25			- Tanacetum vulgare extract	1.0		
- 2-Mercaptobenzothiazole (MBT)	0.25			- Arnica montana extract	0.5		
- 2-(4-Morpholinylmercapto)benzothiazol (MOR)	0.25			- Parthenolide	0.1		
44. Carba mix	3.0	pet	Mx-06	51. Textile dye mix ¹	1.6	pet	Mx-32
- 1,3-Diphenylguanidine	1.0			- Disperse Blue 35	0.1		
- ZINC DIBUTYLDITHIOCARBAMATE (ZBC)	1.0			- Disperse Orange 1	0.15		
- Zinc diethyldithiocarbamate (ZDC)	1.0			- Disperse Red 1	0.4		
45. Fragrance mix I ²	8.0	pet	Mx-07	- DISPERSE RED 17	0.4		
- AMYL CINNAMAL	1.0			- Disperse Yellow 3	0.4		
- CINNAMYL ALCOHOL	1.0			- Disperse Blue 106	0.075		
- CINNAMAL	1.0			- Disperse Blue 124	0.075		
- EUGENOL	1.0			52. Neomycin sulfate ¹	20.0	pet	N-001
- GERANIOL	1.0			53. Nickel(II)sulfate hexahydrate	2.5	pet	N-002B
- HYDROXYCITRONELLAL	1.0			54. 2-n-Octyl-4-isothiazolin-3-one	0.1	pet	O-004
- ISOEUGENOL	1.0			55. p-PHENYLENEDIAMINE (PPD) ¹	1.0	pet	P-006
- Oakmoss absolute	1.0			56. Potassium dichromate	0.25	pet	P-014B
46. Sesquiterpene lactone mix ¹	0.1	pet	Mx-18	57. PROPYL GALLATE	1.0	pet	P-021
- Alantolactone	0.033			58. Propolis ¹	10.0	pet	P-022
- Costunolide	0.033			59. Polymyxin B sulfate	5.0	pet	P-026
- Dehydrocostus lactone	0.033			60. Pramoxine hydrochloride	2.0	pet	P-039
				61. SODIUM BENZOATE	5.0	pet	S-001
				62. SORBITAN OLEATE	5.0	pet	S-004

Compound

Conc. Veh. Art. No.
% (w/w)

63. SORBITAN SESQUIOLEATE	20.0	pet	S-005
64. SODIUM METABISULFITE	1.0	pet	S-011
65. Toluenesulfonamide formaldehyde resin	10.0	pet	T-010
66. Tixocortol-21-pivalate	1.0	pet	T-031A
67. Tea tree oil oxidized 	5.0	pet	T-035B
68. TOCOPHEROL 	100		T-036
69. LANOLIN ALCOHOL	30.0	pet	W-001
70. Ylang ylang oil 	2.0	pet	Y-001
71. Amidoamine 	0.1	aq	A-029
72. BENZALKONIUM CHLORIDE 	0.1	aq	B-027
73. CHLORHEXIDINE DIGLUCONATE 	0.5	aq	C-005
74. METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE ¹ 	0.02	aq	C-009B
75. COCAMIDOPROPYL BETAINE 	1.0	aq	C-018
76. 3-(Dimethylamino)-1-propylamine 	1.0	aq	D-053
77. FORMALDEHYDE ¹ 	2.0	aq	F-002B
78. METHYLISOTHIAZOLINONE ¹ 	0.2	aq	M-035B
79. OLEAMIDOPROPYL DIMETHYLAMINE 	0.1	aq	O-005
80. PROPYLENE GLYCOL 	30.0	aq	P-019B

Revised February 2024

Pediatric Baseline Series**PD-1000**

1. Amerchol L-101	50.0	pet	A-004
2. Peru balsam ^{1,2} 	25.0	pet	B-001
3. 4-tert-Butylphenolformaldehyde resin (PTBP) ¹	1.0	pet	B-024
4. Bacitracin	20.0	pet	B-032B
5. Budesonide	0.1	pet	B-033A
6. QUATERNIUM-15 ¹	2.0	pet	C-007B
7. CINNAMAL 	1.0	pet	C-014
8. Cobalt(II)chloride hexahydrate ¹	1.0	pet	C-017A
9. COLOPHONIUM ¹	20.0	pet	C-020
10. Cloetasol-17-propionate	1.0	pet	C-028
11. Carmine	2.5	pet	C-059
12. DIAZOLIDINYL UREA	1.0	pet	D-044C
13. DMDM HYDANTOIN ³ 	1.0	pet	D-047B
14. DECYL GLUCOSIDE ⁴ 	5.0	pet	D-065
15. BENZOPHENONE-3	10.0	pet	H-014C
16. Hydrocortisone-17-butyrate	1.0	pet	H-021B
17. IMIDAZOLIDINYL UREA	2.0	pet	I-001A
18. IODOPROPYNYL BUTYLCARBAMATE	0.2	pet	I-008C
19. Thiuram mix ¹	1.0	pet	Mx-01
- Dipentamethylenethiuram disulfide	0.25		
- Tetraethylthiuram disulfide (TETD)	0.25		
- Tetramethylthiuram disulfide (TMTD)	0.25		
- Tetramethylthiuram monosulfide (TMTM)	0.25		
20. Paraben mix	12.0	pet	Mx-03A
- BUTYLPARABEN	3.0		
- ETHYLPARABEN	3.0		
- METHYLPARABEN	3.0		
- PROPYLPARABEN	3.0		
21. Carba mix	3.0	pet	Mx-06
- 1,3-Diphenylguanidine	1.0		
- ZINC DIBUTYLDITHIOCARBAMATE (ZBC)	1.0		
- Zinc diethyldithiocarbamate (ZDC)	1.0		
22. Fragrance mix I ^{1,2} 	8.0	pet	Mx-07
- AMYL CINNAMAL	1.0		
- CINNAMYL ALCOHOL	1.0		
- CINNAMAL	1.0		
- EUGENOL	1.0		
- GERANIOL	1.0		
- HYDROXYCITRONELLAL	1.0		
- ISOEUGENOL	1.0		
- Oakmoss absolute	1.0		

Compound	Conc. Veh. % (w/w)	Art. No.
23. Sesquiterpene lactone mix ¹	0.1	Mx-18
- Alantolactone	0.033	
- Costunolide	0.033	
- Dehydrocostus lactone	0.033	
24. Fragrance mix II ¹	14.0	pet Mx-25
- Hexyl cinnamic aldehyde	5.0	
- COUMARIN	2.5	
- FARNESOL	2.5	
- HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	2.5	
- CITRAL	1.0	
- CITRONELLOL	0.5	
25. Compositae mix II	5.0	pet Mx-29A
- Anthemis nobilis extract	1.2	
- Chamomilla recutita extract	1.2	
- Achillea millefolium extract	1.0	
- Tanacetum vulgare extract	1.0	
- Arnica montana extract	0.5	
- Parthenolide	0.1	
26. Neomycin sulfate ¹	20.0	pet N-001
27. Nickel(II)sulfate hexahydrate	2.5	pet N-002B
28. Potassium dichromate ¹	0.5	pet P-014A
29. Propolis ¹	10.0	pet P-022
30. Tixocortol-21-pivalate	1.0	pet T-031A
31. Tea tree oil oxidized	5.0	pet T-035B
32. 2-BROMO-2-NITROPROPANE-1,3-DIOL	0.5	pet B-015B
33. BENZISOThIAZOLINONE	0.1	pet B-003B
34. METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE ¹	0.02	aq C-009B
35. COCAMIDOPROPYL BETAINE	1.0	aq C-018
36. 3-(Dimethylamino)-1-propylamine	1.0	aq D-053
37. FORMALDEHYDE	2.0	aq F-002B
38. METHYLISOTHIAZOLINONE ¹	0.2	aq M-035B
39. PROPYLENE GLYCOL	30.0	aq P-019B
40. Amidoamine	0.1	aq A-029

Introduced 2025

Latin American Baseline Series LA-1000			
1. Potassium dichromate ¹	0.5	pet	P-014A
2. p-PHENYLENEDIAMINE (PPD) ¹	1.0	pet	P-006
3. Thiuram mix ¹	1.0	pet	Mx-01
- Dipentamethylenethiuram disulfide	0.25		
- Tetraethylthiuram disulfide (TETD)	0.25		
- Tetramethylthiuram disulfide (TMTD)	0.25		
- Tetramethylthiuram monosulfide (TMTM)	0.25		
4. Neomycin sulfate ¹	20.0	pet	N-001
5. Cobalt(II)chloride hexahydrate ¹	1.0	pet	C-017A
6. Caine mix III ¹	10.0	pet	Mx-19
- Benzocaine	5.0		
- Dibucaine hydrochloride	2.5		
- Tetracaine hydrochloride	2.5	2.5	
7. Nickel(II)sulfate hexahydrate ¹	5.0	pet	N-002A
8. Clioquinol	5.0	pet	C-015
9. COLOPHONIUM ¹	20.0	pet	C-020
10. Paraben mix ¹	16.0	pet	Mx-03C
- BUTYLPARABEN	4.0		
- ETHYLPARABEN	4.0		
- METHYLPARABEN	4.0		
- PROPYLPARABEN	4.0		
11. N-Isopropyl-N-phenyl-4-phenylenediamine (IPPD) ¹	0.1	pet	I-004
12. LANOLIN ALCOHOL ¹	30.0	pet	W-001
13. Mercapto mix ¹	2.0	pet	Mx-05A
- N-Cyclohexyl-2-benzothiazolylsulfenamide	0.5		
- Dibenzothiazyl disulfide (MBTS)	0.5		
- 2-Mercaptobenzothiazole (MBT)	0.5		
- 2-(4-Morpholinylmercapto)benzothiazol (MOR)	0.5		
14. Epoxy resin, Bisphenol A ¹	1.0	pet	E-002
15. Peru balsam ^{1,2}	25.0	pet	B-001
16. 4-tert-Butylphenolformaldehyde resin (PTBP) ¹	1.0	pet	B-024
17. 2-Mercaptobenzothiazole (MBT) ¹	2.0	pet	M-003A
18. FORMALDEHYDE	1.0	pet	F-002C
19. Fragrance mix I ^{1,2}	8.0	pet	Mx-07
- AMYL CINNAMAL	1.0		
- CINNAMYL ALCOHOL	1.0		
- CINNAMAL	1.0		
- EUGENOL	1.0		

Compound	Conc. Veh.	Art. No.
	% (w/w)	
- GERANIOL	1.0	
- HYDROXYCITRONELLAL	1.0	
- ISOEUGENOL	1.0	
- Oakmoss absolute	1.0	
20. Sesquiterpene lactone mix ¹	0.1 pet	Mx-18
- Alantolactone	0.033	
- Costunolide	0.033	
- Dehydrocostus lactone	0.033	
21. QUATERNIUM-15 ¹	1.0 pet	C-007A
22. 2-Methoxy-6-n-pentyl-4-benzoquinone	0.01 pet	M-008
23. METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE 	0.01 aq	C-009A
24. Budesonide ¹	0.01 pet	B-033B
25. Tixocortol-21-pivalate ¹	0.1 pet	T-031B
26. METHYLDIBROMO GLUTARONITRILE ¹	0.5 pet	D-049E
27. Fragrance mix II ¹ 	14.0 pet	Mx-25
- Hexyl cinnamic aldehyde	5.0	
- COUMARIN	2.5	
- FARNESOL	2.5	
- HYDROXYISOHEXYL 3-CYCLOHEXENE 2.5 CARBOXALDEHYDE		
- CITRAL	1.0	
- CITRONELLOL	0.5	
28. HYDROXYISOHEXYL 3-CYCLOHEXENE 5.0 pet		L-003
CARBOXALDEHYDE ¹		
29. Toluenesulfonamide formaldehyde resin	10.0 pet	T-010
30. COCAMIDOPROPYL BETAINE 	1.0 aq	C-018
31. DIAZOLIDINYL UREA	2.0 pet	D-044A
32. PROPYL GALLATE	1.0 pet	P-021
33. Sodium tetrachloropalladate(II) hydrate	3.0 pet	S-017
34. THIMEROSAL	0.1 pet	T-007
35. Disperse Blue mix 106/124	0.25 pet	Mx-26
- Disperse Blue 106	0.125	
- Disperse Blue 124	0.125	
36. Mixed dialkyl thiourea	1.0 pet	Mx-24
- N,N'-Dibutylthiourea	0.5	
- N,N'-Diethylthiourea	0.5	
37. METHYLISOTHIAZOLINONE ¹	0.2 aq	M-035B
38. Carba mix	3.0 pet	Mx-06
- 1,3-Diphenylguanidine	1.0	
- ZINC DIBUTYLDITHIOCARBAMATE (ZBC)1.0		
- Zinc diethyldithiocarbamate (ZDC)	1.0	

Compound	Conc. Veh.	Art. No.
	% (w/w)	
39. Hydrocortisone-17-butyrate	1.0 pet	H-021B
40. IMIDAZOLIDINYL UREA	2.0 pet	I-001A
		Introduced 2015

North American Baseline Series NA-1000

1. Amerchol L-101	50.0	pet	A-004
2. AMMONIUM PERSULFATE	2.5	pet	A-011
3. Peru balsam ^{1,2} 	25.0	pet	B-001
4. BENZYL ALCOHOL 	10.0	sof	B-008B
5. 2-BROMO-2-NITROPROPANE-1,3-DIOL	0.5	pet	B-015B
6. 4-tert-Butylphenolformaldehyde resin (PTBP) ¹	1.0	pet	B-024
7. Bacitracin	20.0	pet	B-032B
8. Budesonide	0.1	pet	B-033A
9. QUATERNIUM-15 ¹	2.0	pet	C-007B
10. Cobalt(II)chloride hexahydrate ¹	1.0	pet	C-017A
11. COCAMIDE DEA	0.5	pet	C-019
12. COLOPHONIUM ¹	20.0	pet	C-020
13. Clobetasol-17-propionate	1.0	pet	C-028
14. TOLUENE-2,5-DIAMINE SULFATE	1.0	pet	D-002
15. 1,3-Diphenylguanidine	1.0	pet	D-022
16. DIAZOLIDINYL UREA	1.0	pet	D-044C
17. DECYL GLUCOSIDE ⁴ 	5.0	pet	D-065
18. Epoxy resin, Bisphenol A ¹	1.0	pet	E-002
19. Ethyl acrylate 	0.1	pet	E-004
20. Ethylenediamine dihydrochloride	1.0	pet	E-005
21. 2-Hydroxyethyl methacrylate ¹ 	2.0	pet	H-010
22. Hydroperoxides of Linalool 	0.5	pet	H-031B
23. Hydroperoxides of Limonene 	0.2	pet	H-032B
24. IMIDAZOLIDINYL UREA	2.0	pet	I-001A
25. IODOPROPYNYL BUTYLCARBAMATE	0.2	pet	I-008C
26. Lidocaine	15.0	pet	L-002B
27. LAURYL POLYGLUCOSE 	3.0	pet	L-004
28. 2-Mercaptobenzothiazole (MBT)	1.0	pet	M-003B
29. Methyl methacrylate 	2.0	pet	M-013
30. Thiuram mix ¹	1.0	pet	Mx-01
- Dipentamethylenethiuram disulfide	0.25		
- Tetraethylthiuram disulfide (TETD)	0.25		
- Tetramethylthiuram disulfide (TMTD)	0.25		
- Tetramethylthiuram monosulfide (TMTM)	0.25		

31.	Paraben mix	12.0	pet	Mx-03A
	- BUTYLPARABEN	3.0		
	- ETHYLPARABEN	3.0		
	- METHYLPARABEN	3.0		
	- PROPYLPARABEN	3.0		
32.	Black rubber mix	0.6	pet	Mx-04
	- N-Cyclohexyl-N-phenyl-4-phenylenediamine	0.25		
	- N,N'-Diphenyl-p-phenylenediamine	0.25		
	- N-Isopropyl-N-phenyl-4-phenylenediamine (IPPD)	0.1		
33.	Carba mix	3.0	pet	Mx-06
	- 1,3-Diphenylguanidine	1.0		
	- ZINC DIBUTYLDITHIOCARBAMATE (ZBC)	1.0		
	- Zinc diethyldithiocarbamate (ZDC)	1.0		
34.	Fragrance mix I ¹²	8.0	pet	Mx-07
	- AMYL CINNAMAL	1.0		
	- CINNAMYL ALCOHOL	1.0		
	- CINNAMAL	1.0		
	- EUGENOL	1.0		
	- GERANIOL	1.0		
	- HYDROXYCITRONELLAL	1.0		
	- ISOEUGENOL	1.0		
	- Oakmoss absolute	1.0		
35.	Sesquiterpene lactone mix ¹	0.1	pet	Mx-18
	- Alantolactone	0.033		
	- Costunolide	0.033		
	- Dehydrocostus lactone	0.033		
36.	Caine mix III ¹	10.0	pet	Mx-19
	- Benzocaine	5.0		
	- Dibucaine hydrochloride	2.5		
	- Tetracaine hydrochloride	2.5		
37.	Mixed dialkyl thiourea	1.0	pet	Mx-24
	- N,N'-Dibutylthiourea	0.5		
	- N,N'-Diethylthiourea	0.5		
38.	Fragrance mix II ¹	14.0	pet	Mx-25
	- Hexyl cinnamic aldehyde	5.0		
	- COUMARIN	2.5		
	- FARNESOL	2.5		
	- HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	2.5		
	- CITRAL	1.0		
	- CITRONELLOL	0.5		

Compound	Conc.	Veh.	Art. No.
	%(w/w)		
39. Compositae mix II	5.0	pet	Mx-29A
- Anthemis nobilis extract	1.2		
- Chamomilla recutita extract	1.2		
- Achillea millefolium extract	1.0		
- Tanacetum vulgare extract	1.0		
- Arnica montana extract	0.5		
- Parthenolide	0.1		
40. Textile dye mix ¹	1.6	pet	Mx-32
- Disperse Blue 35	0.1		
- Disperse Orange 1	0.15		
- Disperse Red 1	0.4		
- DISPERSE RED 17	0.4		
- Disperse Yellow 3	0.4		
- Disperse Blue 106	0.075		
- Disperse Blue 124	0.075		
41. Neomycin sulfate ¹	20.0	pet	N-001
42. Nickel(II)sulfate hexahydrate	2.5	pet	N-002B
43. p-PHENYLENEDIAMINE (PPD) ¹	1.0	pet	P-006
44. Potassium dichromate	0.25	pet	P-014B
45. Propolis ¹	10.0	pet	P-022
46. Pramoxine hydrochloride	2.0	pet	P-039
47. SODIUM METABISULFITE	1.0	pet	S-011
48. Toluenesulfonamide formaldehyde resin	10.0	pet	T-010
49. Tixocortol-21-pivalate	0.1	pet	T-031A
50. Tea tree oil oxidized	5.0	pet	T-035B
51. Amidoamine	0.1	aq	A-029
52. BENZALKONIUM CHLORIDE	0.1	aq	B-027
53. CHLORHEXIDINE DIGLUCONATE	0.5	aq	C-005
54. METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE ¹	0.02	aq	C-009B
55. COCAMIDOPROPYL BETAINE	1.0	aq	C-018
56. 3-(Dimethylamino)-1-propylamine	1.0	aq	D-053
57. FORMALDEHYDE ¹	2.0	aq	F-002B
58. METHYLISOTHIAZOLINONE ¹	0.2	aq	M-035B
59. OLEAMIDOPROPYL DIMETHYLAMINE	0.1	aq	O-005
60. PROPYLENE GLYCOL	30.0	aq	P-019B

Revised February 2024

Compound

**North American 80
Comprehensive Series**

Conc. Veh. Art. No.
% (w/w)

NAC-80

1. Amerchol L-101	50.0	pet	A-004
2. AMMONIUM PERSULFATE	2.5	pet	A-011
3. Peru balsam ^{1,2}	25.0	pet	B-001
4. BENZISOTHIAZOLINONE	0.1	pet	B-003B
5. Benzocaine	5.0	pet	B-004
6. BENZYL ALCOHOL	10.0	sof	B-008B
7. BENZYL SALICYLATE	10.0	pet	B-010B
8. 2-BROMO-2-NITROPROPANE-1,3-DIOL	0.5	pet	B-015B
9. 4-tert-Butylphenolformaldehyde resin (PTBP) ¹	1.0	pet	B-024
10. Bacitracin	20.0	pet	B-032B
11. Budesonide	0.1	pet	B-033A
12. QUATERNIUM-15 ¹	2.0	pet	C-007B
13. CHLOROXYLENOL (PCMX)	1.0	pet	C-010B
14. CINNAMAL	1.0	pet	C-014
15. Cobalt(II)chloride hexahydrate ¹	1.0	pet	C-017A
16. COCAMIDE DEA	0.5	pet	C-019
17. COLOPHONIUM ¹	20.0	pet	C-020
18. Clobetasol-17-propionate	1.0	pet	C-028
19. TOLUENE-2,5-DIAMINE SULFATE	1.0	pet	D-002
20. 1,3-Diphenylguanidine	1.0	pet	D-022
21. DIAZOLIDINYLMUREA	1.0	pet	D-044C
22. DMDM HYDANTOIN ³	1.0	pet	D-047B
23. METHYLDIBROMO GLUTARONITRILE ¹	0.5	pet	D-049E
24. DECYL GLUCOSIDE ⁴	5.0	pet	D-065
25. Epoxy resin, Bisphenol A ¹	1.0	pet	E-002
26. Ethyl acrylate	0.1	pet	E-004
27. Ethylenediamine dihydrochloride	1.0	pet	E-005
28. 2-Hydroxyethyl methacrylate ¹	2.0	pet	H-010
29. BENZOPHENONE-4	2.0	pet	H-023C
30. Hydroperoxides of Linalool	0.5	pet	H-031B
31. Hydroperoxides of Limonene	0.2	pet	H-032B
32. IMIDAZOLIDINYLMUREA	2.0	pet	I-001A
33. N-Isopropyl-N-phenyl-4-phenylenediamine (IPPD) ¹	0.1	pet	I-004
34. IODOPROPYNYL BUTYLCARBAMATE	0.2	pet	I-008C
35. Lidocaine	15.0	pet	L-002B
36. HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE ¹	5.0	pet	L-003

Compound	Conc. Veh.	Art. No.
	% (w/w)	
37. LAURYL POLYGLUCOSE	3.0	pet L-004
38. 2-Mercaptobenzothiazole (MBT)	1.0	pet M-003B
39. Methyl methacrylate	2.0	pet M-013
40. Thiram mix ¹	1.0	pet Mx-01
- Dipentamethylenethiuram disulfide	0.25	
- Tetraethylthiuram disulfide (TETD)	0.25	
- Tetramethylthiuram disulfide (TMTD)	0.25	
- Tetramethylthiuram monosulfide (TMTM)	0.25	
41. Paraben mix	12.0	pet Mx-03A
- BUTYLPARABEN	3.0	
- ETHYLPARABEN	3.0	
- METHYLPARABEN	3.0	
- PROPYLPARABEN	3.0	
42. Black rubber mix	0.6	pet Mx-04
- N-Cyclohexyl-N-phenyl-4-phenylenediamine	0.25	
- N,N'-Diphenyl-p-phenylenediamine	0.25	
- N-Isopropyl-N-phenyl-4-phenylenediamine (IPPD)	0.1	
43. Mercapto mix	1.0	pet Mx-05B
- N-Cyclohexyl-2-benzothiazolylsulfenamide	0.25	
- Dibenzothiazyl disulfide (MBTS)	0.25	
- 2-Mercaptobenzothiazole (MBT)	0.25	
- 2-(4-Morpholinylmercapto)benzothiazol (MOR)	0.25	
44. Carba mix	3.0	pet Mx-06
- 1,3-Diphenylguanidine	1.0	
- ZINC DIBUTYLDITHIOCARBAMATE (ZBC)	1.0	
- Zinc diethylthiocarbamate (ZDC)	1.0	
45. Fragrance mix I ¹²	8.0	pet Mx-07
- AMYL CINNAMAL	1.0	
- CINNAMYL ALCOHOL	1.0	
- CINNAMAL	1.0	
- EUGENOL	1.0	
- GERANIOL	1.0	
- HYDROXYCITRONELLAL	1.0	
- ISOEUGENOL	1.0	
- Oakmoss absolute	1.0	
46. Sesquiterpene lactone mix ¹	0.1	pet Mx-18
- Alantolactone	0.033	
- Costunolide	0.033	
- Dehydrocostus lactone	0.033	

47. Caine mix III ¹	10.0	pet	Mx-19
- Benzocaine	5.0		
- Dibucaine hydrochloride	2.5		
- Tetracaine hydrochloride	2.5		
48. Mixed dialkyl thiourea	1.0	pet	Mx-24
- N,N'-Dibutylthiourea	0.5		
- N,N'-Diethylthiourea	0.5		
49. Fragrance mix II ¹ 	14.0	pet	Mx-25
- Hexyl cinnamic aldehyde	5.0		
- COUMARIN	2.5		
- FARNESOL	2.5		
- HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	2.5		
- CITRAL	1.0		
- CITRONELLOL	0.5		
50. Compositae mix II 	5.0	pet	Mx-29A
- Anthemis nobilis extract	1.2		
- Chamomilla recutita extract	1.2		
- Achillea millefolium extract	1.0		
- Tanacetum vulgare extract	1.0		
- Arnica montana extract	0.5		
- Parthenolide	0.1		
51. Textile dye mix ¹	1.6	pet	Mx-32
- Disperse Blue 35	0.1		
- Disperse Orange 1	0.15		
- Disperse Red 1	0.4		
- DISPERSE RED 17	0.4		
- Disperse Yellow 3	0.4		
- Disperse Blue 106	0.075		
- Disperse Blue 124	0.075		
52. Neomycin sulfate ¹	20.0	pet	N-001
53. Nickel(II)sulfate hexahydrate	2.5	pet	N-002B
54. 2-n-Octyl-4-isothiazolin-3-one 	0.1	pet	O-004
55. p-PHENYLENEDIAMINE (PPD) ¹	1.0	pet	P-006
56. Potassium dichromate	0.25	pet	P-014B
57. PROPYL GALLATE	1.0	pet	P-021
58. Propolis ¹	10.0	pet	P-022
59. Polymyxin B sulfate	5.0	pet	P-026
60. Pramoxine hydrochloride	2.0	pet	P-039
61. SODIUM BENZOATE	5.0	pet	S-001
62. SORBITAN OLEATE	5.0	pet	S-004
63. SORBITAN SESQUIOLEATE	20.0	pet	S-005
64. SODIUM METABISULFITE	1.0	pet	S-011

Compound	Conc.	Veh.	Art. No.
	%(w/w)		
65. Toluenesulfonamide formaldehyde resin	10.0	pet	T-010
66. Tixocortol-21-pivalate	0.1	pet	T-031A
67. Tea tree oil oxidized 	5.0	pet	T-035B
68. TOCOPHEROL 	100		T-036
69. LANOLIN ALCOHOL	30.0	pet	W-001
70. Ylang ylang oil 	2.0	pet	Y-001
71. Amidoamine 	0.1	aq	A-029
72. BENZALKONIUM CHLORIDE 	0.1	aq	B-027
73. CHLORHEXIDINE DIGLUCONATE 	0.5	aq	C-005
74. METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE ¹ 	0.02	aq	C-009B
75. COCAMIDOPROPYL BETAINE 	1.0	aq	C-018
76. 3-(Dimethylamino)-1-propylamine 	1.0	aq	D-053
77. FORMALDEHYDE ¹ 	2.0	aq	F-002B
78. METHYLISOTHIAZOLINONE ¹ 	0.2	aq	M-035B
79. OLEAMIDOPROPYL DIMETHYLAMINE 	0.1	aq	O-005
80. PROPYLENE GLYCOL 	30.0	aq	P-019B

Revised February 2024

American Core Series AC-1000

1. Nickel(II)sulfate hexahydrate	2.5	pet	N-002B
2. Amerchol L-101	50.0	pet	A-004
3. Neomycin sulfate ¹	20.0	pet	N-001
4. Potassium dichromate	0.25	pet	P-014B
5. DMDM HYDANTOIN ³ 	1.0	pet	D-047B
6. Fragrance mix I ¹² 	8.0	pet	Mx-07
- AMYL CINNAMAL	1.0		
- CINNAMYL ALCOHOL	1.0		
- CINNAMAL	1.0		
- EUGENOL	1.0		
- GERANIOL	1.0		
- HYDROXYCITRONELLAL	1.0		
- ISOEUGENOL	1.0		
- Oakmoss absolute	1.0		
7. COLOPHONIUM ¹	20.0	pet	C-020
8. Paraben mix	12.0	pet	Mx-03A
- BUTYLPARABEN	3.0		
- ETHYLPARABEN	3.0		
- METHYLPARABEN	3.0		
- PROPYLPARABEN	3.0		

Compound	Conc. Veh. % (w/w)	Art. No.			
9. METHYLISOTHIAZOLINONE ¹	0.2	aq	M-035B		
10. Peru balsam ^{1,2}	25.0	pet	B-001		
11. Ethylenediamine dihydrochloride	1.0	pet	E-005		
12. Cobalt(II)chloride hexahydrate ¹	1.0	pet	C-017A		
13. 4-tert-Butylphenolformaldehyde resin (PTBP) ¹	1.0	pet	B-024		
14. Epoxy resin, Bisphenol A ¹	1.0	pet	E-002		
15. Carba mix	3.0	pet	Mx-06		
- 1,3-Diphenylguanidine	1.0				
- ZINC DIBUTYLDITHIOCARBAMATE (ZBC)	1.0				
- Zinc diethyldithiocarbamate (ZDC)	1.0				
16. Black rubber mix	0.6	pet	Mx-04		
- N-Cyclohexyl-N-phenyl-4-phenylenediamine	0.25				
- N,N'-Diphenyl-p-phenylenediamine	0.25				
- N-Isopropyl-N-phenyl-4-phenylenediamine	0.1				
(IPPD)					
17. METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE ¹	0.01	aq	C-009A		
18. QUATERNIUM-15 ¹	2.0	pet	C-007B		
19. Hydroperoxides of Linalool	0.5	pet	H-031B		
20. p-PHENYLENEDIAMINE (PPD) ¹	1.0	pet	P-006		
21. FORMALDEHYDE ¹	2.0	aq	F-002B		
22. Mercapto mix	1.0	pet	Mx-05B		
- N-Cyclohexyl-2-benzothiazolylsulfenamide	0.25				
- Dibenzothiazyl disulfide (MBTS)	0.25				
- 2-Mercaptobenzothiazole (MBT)	0.25				
- 2-(4-Morpholinylmercapto)benzothiazol (MOR)	0.25				
23. 2-BROMO-2-NITROPROPANE-1,3-DIOL	0.5	pet	B-015B		
24. Thiuram mix ¹	1.0	pet	Mx-01		
- Dipentamethylenethiuram disulfide	0.25				
- Tetraethylthiuram disulfide (TETD)	0.25				
- Tetramethylthiuram disulfide (TMTD)	0.25				
- Tetramethylthiuram monosulfide (TMTM)	0.25				
25. DIAZOLIDINYLMUREA	1.0	pet	D-044C		
26. Benzocaine	5.0	pet	B-004		
27. Tixocortol-21-pivalate	1.0	pet	T-031A		
28. Gold(I)sodium thiosulfate dihydrate	2.0	pet	G-005B		
29. IMIDAZOLIDINYLMUREA	2.0	pet	I-001A		
30. Budesonide	0.1	pet	B-033A		
31. Hydrocortisone-17-butyrate	1.0	pet	H-021B		
32. 2-Mercaptobenzothiazole (MBT)	1.0	pet	M-003B		
33. Bacitracin				20.0	pet
34. Fragrance mix II ¹				14.0	pet
- Hexyl cinnamic aldehyde				5.0	
- COUMARIN				2.5	
- FARNESOL				2.5	
- HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE				2.5	
- CITRAL				1.0	
- CITRONELLOL				0.5	
35. Disperse Blue mix 106/124				0.25	pet
- Disperse Blue 106				0.125	
- Disperse Blue 124				0.125	
36. Lidocaine				15.0	pet
37. PROPYLENE GLYCOL				30.0	aq
38. IODOPROPYNYL BUTYLCARBAMATE				0.2	pet
39. Polymyxin B sulfate				5.0	pet
40. COCAMIDOPROPYL BETAINE				1.0	aq
41. Mixed dialkyl thiourea				1.0	pet
- N,N'-Dibutylthiourea				0.5	
- N,N'-Diethylthiourea				0.5	
42. 3-(Dimethylamino)-1-propylamine				1.0	aq
43. 2-Hydroxyethyl methacrylate ¹				2.0	pet
44. OLEAMIDOPROPYL DIMETHYLAMINE				0.1	aq
45. DECYL GLUCOSIDE ⁴				5.0	pet
46. Methyl methacrylate				2.0	pet
47. Lavender absolute				2.0	pet
48. CINNAMAL				1.0	pet
49. TOCOPHEROL				100	T-036
50. Ethyl acrylate				0.1	pet
51. Tea tree oil oxidized				5.0	pet
52. CHLORHEXIDINE DIGLUCONATE				0.5	aq
53. Propolis ¹				10.0	pet
54. CHLOROXYLENOL (PCMXX)				1.0	pet
55. BENZOPHENONE-3				10.0	pet
56. Toluenesulfonamide formaldehyde resin				10.0	pet
57. Sesquiterpene lactone mix ¹				0.1	pet
- Alantolactone				0.033	
- Costunolide				0.033	
- Dehydrocostus lactone				0.033	
58. COCAMIDE DEA				0.5	pet
59. Hydroperoxides of Limonene				0.2	pet
60. BENZALKONIUM CHLORIDE				0.1	aq
61. BENZOPHENONE-4				2.0	pet

62. SODIUM BENZOATE	5.0	pet	S-001
63. SORBIC ACID	2.0	pet	S-003
64. Ylang ylang oil 	2.0	pet	Y-001
65. Compositae mix II 	5.0	pet	Mx-29A
- Anthemis nobilis extract	1.2		
- Chamomilla recutita extract	1.2		
- Achillea millefolium extract	1.0		
- Tanacetum vulgare extract	1.0		
- Arnica montana extract	0.5		
- Parthenolide	0.1		
66. -			
67. SORBITAN SESQUIOLEATE	20.0	pet	S-005
68. 1,3-Diphenylguanidine	1.0	pet	D-022
69. HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE <small>EC,1</small>	5.0	pet	L-003
70. ETHYLHEXYLGLYCERIN	5.0	pet	E-027
71. Triamcinolone acetonide	1.0	pet	T-030
72. Clobetasol-17-propionate	1.0	pet	C-028
73. Amidoamine 	0.1	aq	A-029
74. ETHYL CYANOACRYLATE 	10.0	pet	E-023
75. PHENOXYETHANOL 	1.0	pet	P-025
76. DISPERSE ORANGE 3	1.0	pet	D-032
77. BENZOIC ACID	5.0	pet	B-005
78. BHT	2.0	pet	D-006
79. ETHYLHEXYL METHOXYCINNAMATE	10.0	pet	E-019C
80. BENZYL ALCOHOL 	10.0	sof	B-008B
81. CETEARYL ALCOHOL	20.0	pet	C-033
82. Carmine	2.5	pet	C-059
83. BENZYL SALICYLATE	10.0	pet	B-010B
84. Disperse Yellow 3	0.4	pet	D-036
85. Jasmine absolute 	2.0	pet	J-002
86. Peppermint oil 	2.0	pet	P-036
87. Pramoxine hydrochloride	2.0	pet	P-039
88. SHELLAC 	20.0	alc	S-015
89. LAURYL POLYGLUCOSE 	3.0	pet	L-004
90. p-CHLORO-m-CRESOL (PCMC)	1.0	pet	C-008

Revised February 2024

Composition of International Screening Series

Bakery Series

B-1000

1. VANILLIN	10.0	pet	V-001
2. EUGENOL 	2.0	pet	E-016
3. ISOEUGENOL 	2.0	pet	I-002
4. SODIUM BENZOATE	5.0	pet	S-001
5. BHT	2.0	pet	D-006
6. MENTHOL 	2.0	pet	M-002
7. CINNAMYL ALCOHOL 	2.0	pet	C-013
8. CINNAMAL 	1.0	pet	C-014
9. 2-tert-Butyl-4-methoxyphenol (BHA)	2.0	pet	B-022
10. TRANS-ANETHOLE 	5.0	pet	A-015
11. SORBIC ACID	2.0	pet	S-003
12. BENZOIC ACID	5.0	pet	B-005
13. PROPIONIC ACID 	3.0	pet	P-018
14. Octyl gallate	0.25	pet	O-002
15. Hydroperoxides of Limonene 	0.3	pet	H-032A
16. AMMONIUM PERSULFATE	2.5	pet	A-011
17. Benzoylperoxide	1.0	pet	B-007
18. PROPYL GALLATE	1.0	pet	P-021
19. DODECYL GALLATE	0.25	pet	D-042
20. Gallate mix	1.0	pet	Mx-28B
- DODECYL GALLATE	0.25		
- PROPYL GALLATE	0.5		
- Octyl gallate	0.25		

Revised January 2018

CompoundConc. Veh. Art. No.
% (w/w)**Corticosteroid Series****CS-1000**

1. Budesonide ¹	0.01	pet	B-033B
2. Betamethasone-17-valerate	1.0	pet	B-031
3. Triamcinolone acetonide	1.0	pet	T-030
4. Tixocortol-21-pivalate ¹	0.1	pet	T-031B
5. Alclomethasone-17,21-dipropionate	1.0	pet	A-023
6. Clobetasol-17-propionate	1.0	pet	C-028
7. Dexamethasone-21-phosphate disodium salt	1.0	pet	D-046
8. Hydrocortisone-17-butyrate	1.0	alc	H-021A
9. Desoximetasone	1.0	pet	D-057
10. Betamethasone 17,21-dipropionate	1.0	pet	B-042
11. Methylprednisolone aceponate	1.0	pet	M-036
12. Corticosteroid mix	2.1%	pet	Mx-23
- Budesonide	0.1		
- Hydrocortisone-17-butyrate	1.0		
- Tixocortol-21-pivalate	1.0		
13. Hydrocortisone-21-acetate	1.0	pet	H-034

Revised January 2018

Cosmetic Series**C-1000**

1. ISOPROPYL MYRISTATE	20.0	pet	I-003
2. Amerchol L-101	50.0	pet	A-004
3. TRIETHANOLAMINE	2.0	pet	T-016
4. POLYSORBATE 80	5.0	pet	P-013
5. SORBITAN OLEATE	5.0	pet	S-004
6. 2-tert-Butyl-4-methoxyphenol (BHA)	2.0	pet	B-022
7. BHT	2.0	pet	D-006
8. Octyl gallate	0.25	pet	O-002
9. TRICLOSAN	2.0	pet	T-014
10. SORBIC ACID	2.0	pet	S-003
11. p-CHLORO-m-CRESOL (PCMC)	1.0	pet	C-008
12. CHLOROXYLENOL (PCMX)	0.5	pet	C-010A
13. THIMEROSAL	0.1	pet	T-007
14. IMIDAZOLIDINYL UREA	2.0	pet	I-001A
15. METHENAMINE	2.0	pet	H-003
16. CHLORHEXIDINE DIGLUCONATE	0.5	aq	C-005
17. Paraben mix ¹	16.0	pet	Mx-03C

CompoundConc. Veh. Art. No.
% (w/w)

- BUTYLPARABEN	4.0		
- ETHYLPARABEN	4.0		
- METHYLPARABEN	4.0		
- PROPYLPARABEN	4.0		
18. PHENYL MERCURIC ACETATE	0.01	aq	P-008
19. CHLOROACETAMIDE	0.2	pet	C-006
20. Hexahydro-1,3,5-tris-(2-hydroxyethyl)triazine	1.0	aq	H-002
21. Clioquinol	5.0	pet	C-015
22. Ethylenediamine dihydrochloride	1.0	pet	E-005
23. HYDROABIETYL ALCOHOL	10.0	pet	A-002
24. PHENYL SALICYLATE	1.0	pet	P-011
25. BENZOPHENONE-3	10.0	pet	H-014C
26. SORBITAN SESQUIOLEATE	20.0	pet	S-005
27. PROPYLENE GLYCOL ³	5.0	pet	P-019A
28. STEARYL ALCOHOL	30.0	pet	S-006
29. CETYL ALCOHOL	5.0	pet	C-003
30. BENZYL SALICYLATE	10.0	pet	B-010B
31. 2-BROMO-2-NITROPROPANE-1,3-DIOL	0.25	pet	B-015A
32. Sodium-2-pyridinethiol-1-oxide	0.1	aq	S-002
33. COCAMIDOPROPYL BETAINE	1.0	aq	C-018
34. BENZYL ALCOHOL	10.0	sof	B-008B
35. METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE ¹	0.02	aq	C-009B
36. t-BUTYL HYDROQUINONE	1.0	pet	B-028
37. DROMETRIZOLE	1.0	pet	H-016
38. PROPYL GALLATE	1.0	pet	P-021
39. DODECYL GALLATE	0.25	pet	D-042
40. QUATERNIUM-15 ¹	1.0	pet	C-007A
41. PHENOXYETHANOL	1.0	pet	P-025
42. DIAZOLIDINYL UREA	2.0	pet	D-044A
43. TOCOPHEROL	100		T-036
44. DMDM HYDANTOIN	2.0	aq	D-047A
45. METHYLDIBROMO GLUTARONITRILE ¹	0.5	pet	D-049E
46. Tea tree oil oxidized	5.0	pet	T-035B
47. IODOPROPYNYL BUTYLCARBAMATE	0.2	pet	I-008C
48. 3-(Dimethylamino)-1-propylamine	1.0	aq	D-053
49. LAURYL POLYGLUCOSE	3.0	pet	L-004
50. Peppermint oil	2.0	pet	P-036
51. SHELLAC	20.0	alc	S-015
52. TOCOPHERYL ACETATE	10.0	pet	T-037B
53. Turpentine oil oxidized	0.4	pet	T-024B

54. METHYLISOTHIAZOLINONE ¹	0.2	aq	M-035B
55. Musk mix	3.0	pet	Mx-10B
- MUSK KETONE	1.0		
- Musk moskene	1.0		
- Musk xylene	1.0		
56. OLEAMIDOPROPYL DIMETHYLAMINE	0.1	aq	O-005
57. DECYL GLUCOSIDE ⁴	5.0	pet	D-065
58. ETHYLHEXYLGLYCERIN	5.0	pet	E-027
59. SODIUM METABISULFITE	1.0	pet	S-011
60. Gallate mix	1.0	pet	Mx-28B
- DODECYL GALLATE	0.25		
- PROPYL GALLATE	0.5		
- Octyl gallate	0.25		
61. CETEARYL GLUCOSIDE	5.0	pet	C-056
62. PANTHENOL	5.0	pet	P-042
63. POLYAMINOPROPYL BIGUANIDE	2.5	aq	P-043

Revised January 2020

Cutaneous Adverse Drug Reaction serie

CAD-1000

1. Cefixime trihydrate	10.0	pet	C-054
2. Amoxicillin trihydrate	10.0	pet	A-030
3. Dicloxacillin sodium salt hydrate	10.0	pet	D-058
4. Cefotaxim sodium salt	10.0	pet	C-040
5. Doxycycline monohydrate	10.0	pet	D-059
6. Cefpodoxime proxetil	10.0	pet	C-055
7. Erythromycin base	10.0	pet	E-024
8. Spiramycin base	10.0	pet	S-012
9. Clarithromycin	10.0	pet	C-041
10. Potassium clavulanate	10.0	pet	P-040
11. Cotrimoxazole	10.0	pet	C-042
12. Norfloxacin	10.0	pet	N-007
13. Lamotrigine	10.0	pet	L-009
14. Carbamazepine	1.0	pet	C-044
15. Hydantoin	10.0	pet	H-027
16. Diltiazem hydrochloride	10.0	pet	D-060
17. Captopril	5.0	pet	C-045
18. Acetylsalicylic acid	10.0	pet	A-031
19. Diclofenac sodium salt	5.0	pet	D-061B
20. Ketoprofen	1.0	pet	K-002B
21. Piroxicam	1.0	pet	P-033

22. ACETAMINOPHEN	10.0	pet	A-032
23. Acyclovir	10.0	pet	A-033
24. Hydroxyzine hydrochloride	1.0	pet	H-028
25. Cefuroxime sodium	10.0	pet	C-053
26. Clindamycin phosphate	10.0	pet	C-046
27. Cefradine	10.0	pet	C-047
28. Cefalexin	10.0	pet	C-048

Revised February 2026

Dental Screening

DS-1000

1. Methyl methacrylate	2.0	pet	M-013
2. Triethylene glycol dimethacrylate	2.0	pet	T-018
3. Urethane dimethacrylate	2.0	pet	U-004
4. Ethylene glycol dimethacrylate	2.0	pet	E-007
5. Bisphenol A glycerolate dimethacrylate (BIS-GMA)	2.0	pet	H-013
6. N,N-dimethyl-4-toluidine	5.0	pet	D-016
7. BENZOPHENONE-3	10.0	pet	H-014C
8. 1,4-Butanediol dimethacrylate	2.0	pet	B-017
9. Bisphenol A dimethacrylate (BIS-MA)	2.0	pet	M-007
10. Potassium dichromate ¹	0.5	pet	P-014A
11. Mercury(II)amidochloride	1.0	pet	M-022
12. Cobalt(II)chloride hexahydrate ¹	1.0	pet	C-017A
13. 2-Hydroxyethyl methacrylate ¹	2.0	pet	H-010
14. Gold(I)sodium thiosulfate dihydrate	2.0	pet	G-005B
15. Nickel(II)sulfate hexahydrate ¹	5.0	pet	N-002A
16. EUGENOL	2.0	pet	E-016
17. COLOPHONIUM ¹	20.0	pet	C-020
18. N-Ethyl-p-toluenesulfonamide	0.1	pet	E-015
19. FORMALDEHYDE ¹	2.0	aq	F-002B
20. 4-Tolyldiethanolamine	2.0	pet	T-011
21. Copper(II)sulfate pentahydrate	2.0	pet	C-022
22. Methylhydroquinone	1.0	pet	M-025
23. Palladium(II)chloride	2.0	pet	P-001
24. Aluminium(III)chloride hexahydrate	2.0	pet	A-022
25. BORNANEDIONE	1.0	pet	C-026
26. DIMETHYLAMINOETHYL METHACRYLATE	0.2	pet	D-045
27. 1,6-Hexanediol diacrylate	0.1	pet	H-004
28. DROMETRIZOLE	1.0	pet	H-016
29. Tetrahydrofurfuryl methacrylate	2.0	pet	T-027

30. Tin	50.0	pet	T-008
31. Sodium tetrachloropalladate(II) hydrate	3.0	pet	S-017
32. CARVONE	5.0	pet	C-035
33. 2,2-bis(4-(2-Methacryl-oxyethoxy)phenyl)-propane	2.0	pet	M-006B
34. GLUTARAL ²	0.2	pet	G-003A

Revised October 2023

Dental Materials - Patients

DMP-1000

1. Methyl methacrylate	2.0	pet	M-013
2. Triethylene glycol dimethacrylate	2.0	pet	T-018
3. Ethylene glycol dimethacrylate	2.0	pet	E-007
4. Bisphenol A glycerolate dimethacrylate (BIS-GMA)	2.0	pet	H-013
5. 2,2-bis(4-(2-Methacryl-oxyethoxy)phenyl)-propane (BIS-EMA)	2.0	pet	M-006B
6. 2-Hydroxyethyl methacrylate ¹	2.0	pet	H-010
7. DIMETHYLAMINOETHYL METHACRYLATE	0.2	pet	D-045
8. Tetrahydrofurfuryl methacrylate	2.0	pet	T-027
9. 1,4-Butanediol dimethacrylate	2.0	pet	B-017
10. 1,6-Hexanediol diacrylate	0.1	pet	H-004
11. Potassium dichromate ¹	0.5	pet	P-014A
12. Mercury(II)amidochloride	1.0	pet	M-022
13. Cobalt(II)chloride hexahydrate	1.0	pet	C-017A
14. Gold(I)sodium thiosulfate dihydrate	2.0	pet	G-005B
15. Nickel(II)sulfate hexahydrate ¹	5.0	pet	N-002A
16. EUGENOL	2.0	pet	E-016
17. COLOPHONIUM ¹	20.0	pet	C-020
18. N-Ethyl-p-toluenesulfonamide	0.1	pet	E-015
19. Palladium(II)chloride	2.0	pet	P-001
20. CARVONE	5.0	pet	C-035
21. DROMETRIZOLE	1.0	pet	H-016
22. Peru balsam ^{1,2}	25.0	pet	B-001
23. Epoxy resin, Bisphenol A ¹	1.0	pet	E-002
24. Sodium tetrachloropalladate(II) hydrate	3.0	pet	S-017

Revised October 2023

Dental Materials - Staff

DMS-1000

1. Methyl methacrylate	2.0	pet	M-013
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2. Triethylene glycol dimethacrylate	2.0	pet	T-018
3. Ethyleneglycol dimethacrylate	2.0	pet	E-007
4. Bisphenol A glycerolate dimethacrylate (BIS-GMA)	2.0	pet	H-013
5. 2-Hydroxyethyl methacrylate ¹	2.0	pet	H-010
6. Tetrahydrofurfuryl methacrylate	2.0	pet	T-027
7. 1,4-Butanediol dimethacrylate	2.0	pet	B-017
8. Mercury(II)amidochloride	1.0	pet	M-022
9. EUGENOL	2.0	pet	E-016
10. GLUTARAL ²	0.2	pet	G-003A

Revised October 2023

Epoxy Series

E-1000

1. METHENAMINE	2.0	pet	H-003
2. 4,4'-Diaminodiphenylmethane (MDA)	0.5	pet	D-001
3. Triethylenetetramine (TETA)	0.5	pet	T-019
4. 2-Phenyl glycidyl ether	0.25	pet	P-023
5. Diethylenetriamine, (DETA)	1.0	pet	D-010
6. Isophorone diamine (IPD)	0.1	pet	I-006
7. m-Xylenediamine	0.1	pet	X-001
8. Ethylenediamine dihydrochloride	1.0	pet	E-005
9. 3-(Dimethylamino)-1-propylamine	1.0	aq	D-053
10. Epoxy resin, Bisphenol F	0.25	pet	B-035
11. 2,4,6-Tris(dimethylaminomethyl)phenol	0.5	pet	T-048

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Compound	Conc.	Veh.	Art. No.
Fragrance Series			
	F-1000		
1. CINNAMAL ^{EC}	1.0	pet	C-014
2. CINNAMYL ALCOHOL ^{EC}	2.0	pet	C-013
3. AMYL CINNAMAL ^{EC}	2.0	pet	A-014
4. EUGENOL ^{EC}	2.0	pet	E-016
5. ISOEUGENOL ^{EC}	2.0	pet	I-002
6. GERANIOL ^{EC}	2.0	pet	G-001
7. Oakmoss absolute ^{EC,2}	2.0	pet	O-001
8. HYDROXYCITRONELLAL ^{EC}	2.0	pet	H-008
9. Narcissus poeticus absolute	2.0	pet	N-006
10. Musk xylene	1.0	pet	M-021
11. METHYL ANTHRANILATE	5.0	pet	M-028
12. Musk moskene	1.0	pet	M-019
13. SORBITAN SESQUIOLEATE	20.0	pet	S-005
14. Jasmine synthetic	2.0	pet	J-001
15. BENZYL SALICYLATE ^{EC}	10.0	pet	B-010B
16. BENZYL ALCOHOL ^{EC}	10.0	sof	B-008B
17. VANILLIN	10.0	pet	V-001
18. Lavender absolute	2.0	pet	L-001
19. Cananga oil	2.0	pet	C-002
20. Rose absolute	2.0	pet	R-003
21. Ylang ylang oil	2.0	pet	Y-001
22. Geranium oil	2.0	pet	G-002
23. Jasmine absolute	2.0	pet	J-002
24. Sandalwood oil	2.0	pet	S-009
25. HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE ^{EC,1}	5.0	pet	L-003
26. CITRAL ^{EC}	2.0	pet	C-036
27. FARNESOL ^{EC}	5.0	pet	F-004
28. CITRONELLOL ^{EC}	1.0	pet	C-037
29. Hexyl cinnamic aldehyde ^{EC}	10.0	pet	H-025
30. COUMARIN ^{EC}	5.0	pet	C-038
31. Fragrance mix II ^{1,2}	14.0	pet	Mx-25
- Hexyl cinnamic aldehyde ^{EC}	5.0		
- COUMARIN ^{EC}	2.5		
- FARNESOL ^{EC}	2.5		
- HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE ^{EC}	2.5		
- CITRALE ^{EC}	1.0		
- CITRONELLOL ^{EC}	0.5		

Compound	Conc.	Veh.	Art. No.
Fragrance Series			
	F-1000		
32. Amyl cinnamyl alcohol ^{EC}	5.0	pet	A-036
33. Anise alcohol ^{EC}	10.0	sof	A-037
34. BENZYL BENZOATE ^{EC}	10.0	pet	B-038
35. BENZYL CINNAMATE ^{EC}	10.0	pet	B-039
36. BUTYLPHENYL METHYLPROPIONAL ^{EC}	10.0	pet	B-040
37. Treemoss absolute ^{EC}	1.0	pet	E-026
38. α -Isomethyl ionone ^{EC}	10.0	pet	I-017
39. d-Limonene ^{EC}	10.0	pet	L-006C
40. LINALOOL ^{EC}	10.0	pet	L-005B
41. Methyl-2-octynoate ^{EC}	0.2	pet	M-034
42. Majanthole	5.0	pet	M-033
43. Hydroperoxides of Linalool	1.0	pet	H-031A
44. Hydroperoxides of Limonene	0.3	pet	H-032A
45. Fragrance mix I ¹²	8.0	pet	Mx-07
- AMYL CINNAMAL	1.0		
- CINNAMYL ALCOHOL	1.0		
- CINNAMAL	1.0		
- EUGENOL	1.0		
- GERANIOL	1.0		
- HYDROXYCITRONELLAL	1.0		
- ISOEUGENOL	1.0		
- Oakmoss absolute	1.0		
46. Hydroperoxides of Linalool	0.5	pet	H-031B
47. Hydroperoxides of Limonene	0.2	pet	H-032B

Revised February 2024

Hairdressing Series

H-1000

1. p-PHENYLENEDIAMINE (PPD) ¹	1.0	pet	P-006
2. TOLUENE-2,5-DIAMINE SULFATE	1.0	pet	D-002
3. 2-NITRO-p-PHENYLENEDIAMINE	1.0	pet	N-004
4. AMMONIUM THIOGLYCOLATE	2.5	aq	A-012
5. AMMONIUM PERSULFATE	2.5	pet	A-011
6. FORMALDEHYDE ¹	2.0	aq	F-002B
7. Nickel(II)sulfate hexahydrate ¹	5.0	pet	N-002A
8. Cobalt(II)chloride hexahydrate ¹	1.0	pet	C-017A
9. RESORCINOL	1.0	pet	R-001
10. m-AMINOPHENOL	1.0	pet	A-008
11. p-AMINOPHENOL	1.0	pet	A-009
12. PANTHENOL	5.0	pet	P-042
13. HYDROQUINONE	1.0	pet	H-007
14. Peru balsam ^{1,2}	25.0	pet	B-001
15. CHLOROACETAMIDE	0.2	pet	C-006
16. GLYCERYL THIOGLYCOLATE	1.0	pet	G-004
17. COCAMIDOPROPYL BETAINE	1.0	aq	C-018
18. METHYLISOTHIAZOLINONE + METHYLCHLORO-ISOTHIAZOLINONE ¹	0.02	aq	C-009B
19. 2-BROMO-2-NITROPROPANE-1,3-DIOL	0.25	pet	B-015A
20. Captan	0.5	pet	C-025
21. p-CHLORO-m-CRESOL (PCMC)	1.0	pet	C-008
22. CHLOROXYLENOL (PCMX)	0.5	pet	C-010A
23. IMIDAZOLIDINYL UREA	2.0	pet	I-001A
24. QUATERNIUM-15 ¹	1.0	pet	C-007A
25. ZINC PYRITHIONE	1.0	pet	Z-006
26. DIAZOLIDINYL UREA	2.0	pet	D-044A
27. LAURYL POLYGLUCOSE	3.0	pet	L-004
28. OLEAMIDOPROPYL DIMETHYLAMINE	0.1	aq	O-005
29. DECYL GLUCOSIDE ⁴	5.0	pet	D-065
30. TOLUENE-2,5-DIAMINE	1.0	pet	T-049
31. 4-AMINO-2-HYDROXYTOLUENE	1.0	pet	A-039
32. CYSTEAMINE HCL	0.5	pet	C-052
33. 2-METHYLRESORCINOL	1.0	pet	M-039
34. HYDROXYETHYL-p-PHENYLENE- DIAMINE SULFATE	2.0	pet	H-033
35. p-METHYLMINOPHENOL	1.0	pet	M-040
36. CETRIMONIUM BROMIDE	0.5	pet	C-050
37. SODIUM METABISULFITE	1.0	pet	S-011

Revised February 2023

Implant Series

IMP-1000

1. Vancomycin hydrochloride	10.0	aq	V-004
2. Tobramycin	20.0	pet	T-050
3. Benzoylperoxide	1.0	pet	B-007
4. HYDROQUINONE	1.0	pet	H-007
5. N,N-dimethyl-4-toluidine	5.0	pet	D-016
6. ETHYL CYANOACRYLATE	10.0	pet	E-023
7. Aluminium(III)chloride hexahydrate	2.0	pet	A-022
8. Cobalt(II)chloride hexahydrate ¹	1.0	pet	C-017A
9. Beryllium(II)sulfate tetrahydrate	1.0	pet	B-044
10. Gold(I)sodium thiosulfate dihydrate	2.0	pet	G-005B
11. Copper(II)sulfate pentahydrate	2.0	pet	C-022
12. Tin	50.0	pet	T-008
13. Iridium(III)chloride trihydrate	1.0	pet	I-012
14. Titanium(III)nitride	5.0	pet	T-039
15. Mercury(II)amidochloride	1.0	pet	M-022
16. ZINC CHLORIDE	1.0	pet	Z-007B
17. Titanium(IV)oxalate hydrate	5.0	pet	T-041
18. Sodium tetrachloropalladate(II) hydrate	3.0	pet	S-017
19. Molybdenum	5.0	pet	M-030
20. Vanadium(III)chloride	1.0	pet	V-003
21. MANGANESE CHLORIDE	2.0	pet	M-031
22. Zirconium(IV)chloride	1.0	pet	Z-008
23. Tungsten	5.0	pet	T-043
24. FERRIC CHLORIDE	2.0	pet	I-016
25. Ammonium hexachloroplatinate(IV)	0.1	aq	A-010
26. Cadmium chloride	1.0	aq	C-001
27. Indium(III)chloride	10.0	aq	I-011
28. Nickel(II)sulfate hexahydrate ¹	5.0	pet	N-002A
29. Palladium(II)chloride	2.0	pet	P-001
30. Gallium(III)oxide	1.0	pet	G-007
31. Ruthenium	0.1	pet	R-012
32. SILVER NITRATE	1.0	aq	S-007
33. ALUMINUM HYDROXIDE	10.0	pet	A-038
34. Niobium(V)chloride	0.2	pet	N-008
35. Tantalum	1.0	pet	T-047
36. Potassium dichromate	0.5	pet	P-014A
37. Gentamicin sulfate	20.0	pet	G-006
38. Neomycin sulfate	20.0	pet	N-001
39. Bacitracin	20.0	pet	B-032B
40. 2-Hydroxyethyl methacrylate ¹	2.0	pet	H-010
41. Methyl methacrylate	2.0	pet	M-013

Compound	Conc. Veh.	Art. No.
	% (w/w)	
42. CHLORHEXIDINE DIGLUCONATE	0.5 aq	C-005
43. Ethyl acrylate	0.1 pet	E-004
44. CALCIUM TITANATE	10.0 pet	C-049
		Revised February 2024

Isocyanate Series

I-1000

1. Toluene-2,4-diisocyanate (TDI)	2.0	pet	T-009
2. Hexamethylene diisocyanate (HDI)	0.1	pet	H-022
3. 4,4'-Diaminodiphenylmethane (MDA)	0.5	pet	D-001
4. ISOPHORONE DIISOCYANATE (IPDI)	1.0	pet	I-007
5. Isophorone diamine (IPD)	0.1	pet	I-006
			Revised February 2023

Leg Ulcer Series

LU-1000

1. Amerchol L-101	50.0	pet	A-004
2. Fusidic acid sodium salt	2.0	pet	F-003
3. CHLORHEXIDINE DIGLUCONATE	0.5	aq	C-005
4. BENZALKONIUM CHLORIDE	0.1	aq	B-027
5. Nitrofurazone	1.0	pet	N-005
6. Bacitracin	5.0	pet	B-032A
7. CETEARYL ALCOHOL	20.0	pet	C-033
8. BHT	2.0	pet	D-006
9. Chloramphenicol	5.0	pet	C-032
10. Benzoylperoxide	1.0	pet	B-007
11. PROPYLENE GLYCOL	5.0	pet	P-019A
12. Propolis ¹	10.0	pet	P-022
13. THIMEROSAL	0.1	pet	T-007
14. SORBIC ACID	2.0	pet	S-003
15. Wood tar mix	12.0	pet	Mx-14
- Beech tar	3.0		
- Birch tar	3.0		
- Juniperus oxycedrus extract	3.0		
- Pine tar	3.0		
16. p-CHLORO-m-CRESOL (PCMC)	1.0	pet	C-008
17. Budesonide ¹	0.01	pet	B-033B
18. TRIETHANOLAMINE	2.0	pet	T-016
19. Framycetin sulphate	20.0	pet	F-005
20. SORBITAN SESQUIOLEATE	20.0	pet	S-005

Compound	Conc. Veh.	Art. No.
	% (w/w)	
21. Tioxocortol-21-pivalate ¹	0.1	pet
22. SORBITAN OLEATE	5.0	pet
23. PHENYL MERCURIC ACETATE	0.01	aq
24. CHLOROACETAMIDE	0.2	pet
25. DIAZOLIDINYL UREA	2.0	pet
26. IMIDAZOLIDINYL UREA	2.0	pet
		Revised February 2023

Medicament Series

ME-1000

1. Chloramphenicol	5.0	pet	C-032
2. Kanamycin sulfate	10.0	pet	K-001
3. Quinine sulfate	1.0	pet	Q-001
4. Sulfanilamide	5.0	pet	S-010
5. Gentamicin sulfate	20.0	pet	G-006
6. Nitrofurazone	1.0	pet	N-005
7. Bacitracin	5.0	pet	B-032A
8. Framycetin sulphate	20.0	pet	F-005
9. Caine mix III ¹	10.0	pet	Mx-19
- Benzocaine	5.0		
- Dibucaine hydrochloride	2.5		
- Tetracaine hydrochloride	2.5		
10. Miconazole	1.0	alc	M-027
11. Econazole nitrate	1.0	alc	E-021
12. Caine mix IV	10.0	pet	Mx-20
- Lidocaine	5.0		
- Amylocaine hydrochloride	2.5		
- Prilocaine hydrochloride	2.5		
13. Fusidic acid sodium salt	2.0	pet	F-003
14. Tioconazole	1.0	pet	T-034
15. Tobramycin	20.0	pet	T-050
16. Vancomycin hydrochloride	10.0	aq	V-004
17. Bufexamac	5.0	pet	B-043
18. Pramoxine hydrochloride	2.0	pet	P-039
19. Phenylbutazone	10.0	pet	P-041
20. Diphenhydramine hydrochloride	1.0	pet	D-021
21. Polymyxin B sulfate	5.0	pet	P-026

Revised January 2018

Metal Series

MET-1000		
1. Aluminium(III)chloride hexahydrate	2.0	pet A-022
2. Cobalt(II)chloride hexahydrate ¹	1.0	pet C-017A
3. Beryllium(II)sulfate tetrahydrate	1.0	pet B-044
4. Gold(I)sodium thiosulfate dihydrate	2.0	pet G-005B
5. Copper(II)sulfate pentahydrate	2.0	pet C-022
6. Tin	50.0	pet T-008
7. Iridium(III)chloride trihydrate	1.0	pet I-012
8. Titanium(III)nitride	5.0	pet T-039
9. Mercury(II)amidochloride	1.0	pet M-022
10. ZINC CHLORIDE	1.0	pet Z-007B
11. Titanium(IV)oxalate hydrate	5.0	pet T-041
12. Sodium tetrachloropalladate(II) hydrate	3.0	pet S-017
13. Molybdenum	5.0	pet M-030
14. Vanadium(III)chloride	1.0	pet V-003
15. MANGANESE CHLORIDE	2.0	pet M-031
16. Zirconium(IV)chloride	1.0	pet Z-008
17. Tungsten	5.0	pet T-043
18. FERRIC CHLORIDE	2.0	pet I-016
19. Ammonium hexachloroplatinate(IV)	0.1	aq A-010
20. Cadmium chloride	1.0	aq C-001
21. Indium(III)chloride	10.0	aq I-011
22. Nickel(II)sulfate hexahydrate ¹	5.0	pet N-002A
23. Palladium(II)chloride	2.0	pet P-001
24. Gallium(III)oxide	1.0	pet G-007
25. Ruthenium	0.1	pet R-012
26. SILVER NITRATE	1.0	aq S-007
27. ALUMINUM HYDROXIDE	10.0	pet A-038
28. Niobium(V)chloride	0.2	pet N-008
29. Tantalum	1.0	pet T-047
30. Potassium dichromate	0.5	pet P-014A

Revised February 2023

METE-1000

Metal Series Extended

METE-1000		
1. Zinc	2.5	pet Z-001
2. Potassium dicyanoaurate(I)	0.1	aq P-015
3. Mercury(II)chloride	0.1	pet M-004
4. Vanadium(V)oxide	10.0	pet V-005
5. Gold(I)sodium thiosulfate dihydrate	0.5	pet G-005A
6. Copper(I)oxide	5.0	pet C-021
7. Iridium	1.0	pet I-014
8. Indium	1.0	pet I-015
9. CALCIUM TITANATE	10.0	pet C-049
10. Vanadium	5.0	pet V-002
11. Tin(II)oxalate	1.0	pet S-014
12. PHENYL MERCURIC ACETATE	0.01	aq P-008
13. Ammonium molybdate (VI) tetrahydrate	1.0	aq A-035
14. Ammonium hexachloroiridate(IV)	0.1	aq A-034
15. Indium(III)sulfate	10.0	aq I-013
16. STANNOUS CHLORIDE	1.0	pet S-013
17. Lead(II)chloride	0.2	aq L-008
18. ZIRCONIUM DIOXIDE	0.1	pet Z-009
19. Rhodium(III)chloride hydrate	2.0	pet R-013
20. TITANIUM DIOXIDE	10.0	pet T-040
21. Molybdenum(V)chloride	0.5	pet M-038
22. Titanium	10.0	pet T-042
23. Sodium tungstate dihydrate	2.0	aq S-019

Revised October 2023

24.(Meth) Acrylate Series

Adhesives, Dental, Printing & Other MA-1000

1. Methyl methacrylate	2.0	pet M-013
2. BUTYL METHACRYLATE	2.0	pet B-021
3. 2-Hydroxyethyl methacrylate ¹	2.0	pet H-010
4. Hydroxypropyl methacrylate	2.0	pet H-018
5. Ethylene glycol dimethacrylate	2.0	pet E-007
6. Triethylene glycol dimethacrylate	2.0	pet T-018
7. 1,4-Butanediol dimethacrylate	2.0	pet B-017
8. Urethane dimethacrylate	2.0	pet U-004
9. Bisphenol A dimethacrylate (BIS-MA)	2.0	pet M-007
10. Bisphenol A glycerolate dimethacrylate (BIS-GMA)	2.0	pet H-013
11. 1,6-Hexanediol diacrylate	0.1	pet H-004
12. Tetrahydrofurfuryl methacrylate	2.0	pet T-027

Compound	Conc.	Veh.	Art. No.
	% (w/w)		
13. Tetraethylene glycol dimethacrylate	2.0	pet	T-029
14. DIMETHYLAMINOETHYL METHACRYLATE 	0.2	pet	D-045
15. ETHYL CYANOACRYLATE 	10.0	pet	E-023
16. ISOBORNYL ACRYLATE	0.1	pet	I-019
17. Ethyl acrylate 	0.1	pet	E-004
18. 2-Hydroxyethyl acrylate 	0.1	pet	H-009
19. ETHYL METHACRYLATE 	2.0	pet	E-012
20. 2,2-bis(4-(2-Methacryl-oxyethoxy)phenyl)-propane (BIS-EMA)	2.0	pet	M-006B
21. 1,4-Butanediol diacrylate	0.1	pet	B-016
22. Di(ethylene glycol) diacrylate	0.1	pet	D-009
23. Tri(propylene glycol) diacrylate 	0.1	pet	T-023
24. Trimethylolpropane triacrylate 	0.1	pet	T-021
25. Triethylene glycol diacrylate	0.1	pet	T-017
26. N,N-Methylene-bisacrylamide	1.0	pet	M-023
27. Butyl acrylate 	0.1	pet	B-018

Revised January 2022

(Meth) Acrylate Series Nails-Artificial

MN-1000

1. ETHYL CYANOACRYLATE 	10.0	pet	E-023
2. ETHYL METHACRYLATE 	2.0	pet	E-012
3. Methyl methacrylate 	2.0	pet	M-013
4. 2-Hydroxyethyl methacrylate ¹ 	2.0	pet	H-010
5. Hydroxypropyl methacrylate 	2.0	pet	H-018
6. Ethylene glycol dimethacrylate 	2.0	pet	E-007
7. Bisphenol A glycerolate dimethacrylate (BIS-GMA)	2.0	pet	H-013
8. 1,6-Hexanediol diacrylate	0.1	pet	H-004
9. Triethylene glycol diacrylate 	0.1	pet	T-017
10. Tetrahydrofurfuryl methacrylate 	2.0	pet	T-027
11. Ethyl acrylate 	0.1	pet	E-004
12. 2-Hydroxyethyl acrylate 	0.1	pet	H-009

Revised 1992

Oil & Cooling Fluid Series O-1000

1. ABIETIC ACID	10.0	pet	A-001
2. p-CHLORO-m-CRESOL (PCMC)	1.0	pet	C-008
3. CHLOROXYLENOL (PCMx)	0.5	pet	C-010A
4. DICHLOROPHENE	1.0	pet	D-008
5. o-PHENYLPHENOL	1.0	pet	P-010
6. PROPYLENE GLYCOL 	5.0	pet	P-019A
7. TRIETHANOLAMINE	2.0	pet	T-016
8. 4-tert-Butylbenzoic acid	1.0	pet	B-019
9. BENZISOTHIAZOLINONE	0.1	pet	B-003B
10. Hexahydro-1,3,5-tris(2-hydroxyethyl)triazine 	1.0	aq	H-002
11. Bioban P 1487 	0.5	pet	E-014
12. CHLOROACETAMIDE	0.2	pet	C-006
13. N-Methylolchloroacetamide	0.1	pet	M-014
14. BENZOTRIAZOLE	1.0	pet	B-006
15. Ethylenediamine dihydrochloride	1.0	pet	E-005
16. 2-Mercaptobenzothiazole (MBT) ¹	2.0	pet	M-003A
17. Zinc ethylenebis-(dithiocarbamate) (Zineb)	1.0	pet	Z-005
18. TRICLOSAN	2.0	pet	T-014
19. 7-ETHYLBICYCLOOXAZOLIDINE 	1.0	pet	A-017
20. Bioban CS 1135 	1.0	pet	D-015
21. TRIS(HYDROXYMETHYL)NITROMETHANE	1.0	pet	H-015
22. THIMEROSAL	0.1	pet	T-007
23. Hydrazine sulfate	1.0	pet	H-005
24. TRICLOCARBAN	1.0	pet	T-013
25. FORMALDEHYDE ¹ 	2.0	aq	F-002B
26. Amerchol L-101	50.0	pet	A-004
27. Hydroperoxides of Limonene 	0.3	pet	H-032A
28. Sodium-2-pyridinethiol-1-oxide 	0.1	aq	S-002
29. 2-BROMO-2-NITROPROPANE-1,3-DIOL	0.25	pet	B-015A
30. COCAMIDE DEA	0.5	pet	C-019
31. METHYLISOTHIAZOLINONE + METHYLCHLORO-ISOTHIAZOLINONE ¹ 	0.02	aq	C-009B
32. PHENOXYETHANOL 	1.0	pet	P-025
33. 2-n-Octyl-4-isothiazolin-3-one 	0.1	pet	O-004
34. METHYLDIBROMO GLUTARONITRILE ¹	0.5	pet	D-049E
35. IODOPROPYNYL BUTYLCARBAMATE	0.2	pet	I-008C

Revised 2014

Photopatch Series

PP-1000

1. BENZOPHENONE-3	10.0	pet	H-014C
2. BENZOPHENONE-4	2.0	pet	H-023C
3. 4-METHYLBENZYLIDENE CAMPHOR	10.0	pet	M-024B
4. ETHYLHEXYL METHOXYCINNAMATE	10.0	pet	E-019C
5. OCTOCRYLENE	10.0	pet	O-009
6. ISOAMYL p-METHOXYCINNAMATE	10.0	pet	I-009
7. PABA	10.0	pet	A-006C
8. BUTYL METHOXYDIBENZOYL-METHANE	10.0	pet	B-029C
9. BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENOL TRIAZINE	10.0	pet	B-037
10. DROMETRIZOLE TRISILOXANE	10.0	pet	D-055
11. Ketoprofen	1.0	pet	K-002B
12. 2-(4-Diethylamino-2-hydroxybenzoyl)-benzoic acid hexylester	10.0	pet	D-062
13. ETHYLHEXYL TRIAZONE	10.0	pet	O-010
14. Methylene bis-benzotriazolyl tetramethylbutylphenol	10.0	pet	M-037
15. Etofenamate	2.0	pet	E-025
16. DIETHYLHEXYL BUTAMIDO TRIAZONE	10.0	pet	D-063
17. Piroxicam	1.0	pet	P-033
18. DECYL GLUCOSIDE ⁴	5.0	pet	D-065
19. BENZOPHENONE-10	10.0	pet	H-020B
20. PHENYLBENZIMIDAZOLE SULFONIC ACID	10.0	pet	P-024B
21. HOMOSALATE	10.0	pet	H-024B
22. ETHYLHEXYL SALICYLATE	10.0	pet	O-007B
23. Polysilicone-15	10.0	pet	P-035
24. Disodium phenyl dibenzimidazole tetrasulfonate	10.0	pet	D-064
25. TRICLOSAN	2.0	pet	T-014
26. Diclofenac sodium salt	5.0	pet	D-061B
27. Thiourea	0.1	pet	T-026
28. Hexachlorophene	1.0	pet	H-001
29. METHYL ANTHRANILATE	5.0	pet	M-028
30. TRICLOCARBAN	1.0	pet	T-013

Introduced February 2023

Plant Series

PL-1000

1. Anthemis nobilis extract	1.0	pet	C-029
2. Diallyl disulfide	1.0	pet	D-048
3. Arnica montana extract	0.5	pet	A-024
4. Taraxacum officinale extract	2.5	pet	T-032
5. Achillea millefolium extract	1.0	pet	A-025
6. Propolis ¹	10.0	pet	P-022
7. Chrysanthemum Cinerariaefolium extract	1.0	pet	C-031
8. Sesquiterpene lactone mix ¹	0.1	pet	Mx-18
- Alantolactone	0.033		
- Costunolide	0.033		
- Dehydrocostus lactone	0.033		
9. α -Methylene- γ -butyrolactone	0.01	pet	M-026
10. Tanacetum vulgare extract	1.0	pet	T-033
11. Alantolactone	0.033	pet	A-003B
12. Lichen acid mix	0.3	pet	Mx-15
- Atranorin	0.1		
- Evernic acid	0.1		
- (+)-Usnic acid	0.1		
13. Parthenolide	0.1	pet	P-029
14. Chamomilla recutita extract	1.0	pet	C-051
15. (+)-Usnic acid	0.1	pet	U-005
16. Atranorin	0.1	pet	A-016
17. Evernic acid	0.1	pet	E-017
18. 2-Methoxy-6-n-pentyl-4-benzoquinone	0.01	pet	M-008

Revised November 2018

Plastics & Glues Series

PG-1000

1. HYDROQUINONE	1.0	pet	H-007
2. Dibutyl phthalate	5.0	pet	D-007
3. PHENYL SALICYLATE	1.0	pet	P-011
4. Diethyl phthalate (DEHP, DOP)	2.0	pet	D-018
5. BHT	2.0	pet	D-006
6. DROMETRIZOLE	1.0	pet	H-016
7. Benzoylperoxide	1.0	pet	B-007
8. 4-tert-Butylcatechol (PTBC)	0.25	pet	B-030B
9. Triglycidyl isocyanurate (TGIC)	0.5	pet	T-028
10. Bisphenol A	1.0	pet	B-013
11. Tricresyl phosphate	5.0	pet	T-015
12. -			
13. p-tert-Butylphenol formaldehyde resin ¹	1.0	pet	B-024

Compound	Conc. Veh.	Art. No.
	% (w/w)	
14. Triphenyl phosphate	5.0	pet T-022
15. Toluenesulfonamide formaldehyde resin	10.0	pet T-010
16. Resorcinol monobenzoate	1.0	pet R-002
17. 2-Phenylindole	2.0	pet P-007
18. 2-tert-Butyl-4-methoxyphenol (BHA)	2.0	pet B-022
19. HYDROABIETYL ALCOHOL	10.0	pet A-002
20. 4-tert-Butylphenol	1.0	pet B-023
21. 2-Monomethylol phenol	1.0	pet M-015
22. N,N'-Diphenylthiourea (DPTU)	1.0	pet D-025
23. 2-n-Octyl-4-isothiazolin-3-one 	0.1	pet O-004

Revised February 2024

Rubber Additives Series	R-1000	
1. Tetramethylthiuram disulfide (TMTD)	1.0	pet T-005
2. Tetramethylthiuram monosulfide (TMTM)	1.0	pet T-006
3. Tetraethylthiuram disulfide (TETD)	1.0	pet T-002
4. Dipentamethylenethiuram disulfide	1.0	pet D-019
5. N-Cyclohexyl-N-phenyl-4-phenylenediamine	1.0	pet C-024
6. N,N'-Diphenyl-p-phenylenediamine (DPPD)	1.0	pet D-024
7. N-Isopropyl-N-phenyl-4-phenylenediamine (IPPD) ¹	0.1	pet I-004
8. 2-Mercaptobenzothiazole (MBT) ¹	2.0	pet M-003A
9. N-Cyclohexyl-2-benzothiazolylsulfenamide	1.0	pet C-023
10. Dibenzothiazyl disulfide (MBTS)	1.0	pet D-003
11. 2-(4-Morpholinylmercapto)benzothiazol (MOR)	1.0	pet M-016
12. 1,3-Diphenylguanidine	1.0	pet D-022
13. Zinc diethyldithiocarbama (ZDC)	1.0	pet Z-003
14. ZINC DIBUTYLDITHIOCARBAMATE (ZBC)	1.0	pet Z-002
15. N,N-Di-2-naphtyl-4-phenylenediamine (DBNPD)	1.0	pet D-017
16. N-Phenyl-2-naphtylamine (PBN)	1.0	pet P-009
17. METHENAMINE	2.0	pet H-003
18. 4,4'-Diaminodiphenylmethane (MDA)	0.5	pet D-001
19. N,N'-Diphenylthiourea (DPTU)	1.0	pet D-025
20. Zinc dimethyldithiocarbamate (Ziram)	1.0	pet Z-004
21. 2,2,4-Trimethyl-1,2-dihydroquinoline	1.0	pet T-020
22. N,N'-Diethylthiourea	1.0	pet D-039
23. N,N'-Dibutylthiourea	1.0	pet D-038
24. Dodecyl mercaptan 	0.1	pet D-043

Compound	Conc. Veh.	Art. No.
	% (w/w)	
25. N-(Cyclohexylthio) phthalimide	1.0	pet C-034
26. Thiourea	0.1	pet T-026
27. 4,4'-Dithiodimorpholine	1.0	pet D-054

Revised November 2018

Shoe Series SH-1000

1. N-Isopropyl-N-phenyl-4-phenylenediamine (IPPD) ¹	0.1	pet I-004
2. GLUTARAL ² 	0.2	pet G-003A
3. DISPERSE ORANGE 3	1.0	pet D-032
4. Acid yellow 36	1.0	pet A-019
5. Hydroquinone monobenzylether	1.0	pet H-019
6. Thiuram mix ¹	1.0	pet Mx-01
- Dipentamethylenethiuram disulfide	0.25	
- Tetraethylthiuram disulfide (TETD)	0.25	
- Tetramethylthiuram disulfide (TMTD)	0.25	
- Tetramethylthiuram monosulfide (TMTM)	0.25	
7. Potassium dichromate ¹	0.5	pet P-014A
8. 4-tert-Butylphenolformaldehyde resin (PTBP) ¹	1.0	pet B-024
9. p-PHENYLENEDIAMINE (PPD) ¹	1.0	pet P-006
10. Nickel(II)sulfate hexahydrate ¹	5.0	pet N-002A
11. COLOPHONIUM ¹	20.0	pet C-020
12. FORMALDEHYDE ¹ 	2.0	pet F-002B
13. N,N'-Diphenylthiourea (DPTU)	1.0	pet D-025
14. 2-Mercaptobenzothiazole (MBT) ¹	2.0	pet M-003A
15. N,N'-Diethylthiourea	1.0	pet D-039
16. 1,3-Diphenylguanidine	1.0	pet D-022
17. N,N'-Dibutylthiourea	1.0	pet D-038
18. Epoxy resin, Bisphenol A ¹	1.0	pet E-002
19. Dodecyl mercaptan 	0.1	pet D-043
20. METHYLISOTHIAZOLINONE + METHYLCHLORO-ISOTHIAZOLINONE ¹ 	0.02	aq C-009B
21. 4-Aminoazobenzene	0.25	pet A-005
22. 2-n-Octyl-4-isothiazolin-3-one 	0.1	pet O-004
23. 4,4'-Dithiodimorpholine	1.0	pet D-054
24. Dimethyl fumarate 	0.01	pet D-066B

Revised November 2018

Sunscreen Series

SU-1000

1. BUTYL METHOXYDIBENZOYL-METHANE	10.0	pet	B-029C
2. PABA	10.0	pet	A-006C
3. HOMOSALATE	5.0	pet	H-024A
4. 4-METHYLBENZYLIDENE CAMPHOR	10.0	pet	M-024B
5. ETHYLHEXYL DIMETHYL PABA	10.0	pet	E-018D
6. BENZOPHENONE-3	10.0	pet	H-014C
7. ETHYLHEXYL METHOXYCINNAMATE	10.0	pet	E-019C
8. BENZOPHENONE-10	10.0	pet	H-020B
9. PHENYLBENZIMIDAZOLE SULFONIC ACID	10.0	pet	P-024B
10. BENZOPHENONE-4	2.0	pet	H-023C
11. DROMETRIZOLE TRISILOXANE	10.0	pet	D-055
12. OCTOCRYLENE	10.0	pet	O-009
13. ETHYLHEXYL SALICYLATE	5.0	pet	O-007A
14. ETHYLHEXYL TRIAZONE	10.0	pet	O-010
15. ISOAMYL p-METHOXYCINNAMATE	10.0	pet	I-009
16. BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENOL TRIAZINE	10.0	pet	B-037
17. Methylene bis-benzotriazolyl tetramethylbutylphenol	10.0	pet	M-037
18. 2-(4-Diethylamino-2-hydroxybenzoyl)-benzoic acid hexylester	10.0	pet	D-062
19. DIETHYLHEXYL BUTAMIDO TRIAZONE	10.0	pet	D-063
20. Disodium phenyl dibenzimidazole tetrasulfonate	10.0	pet	D-064
21. DECYL GLUCOSIDE ⁴	5.0	pet	D-065

Revised January 2014

Textile Colours & Finish

TF-1000

1. Disperse Yellow 3	0.4	pet	D-036
2. DISPERSE ORANGE 3	1.0	pet	D-032
3. Disperse Red 1	0.4	pet	D-034
4. DISPERSE RED 17	1.0	pet	D-035
5. Acid Red 359	5.0	pet	A-028
6. DISPERSE BLUE 3	1.0	pet	D-026
7. Disperse Blue 35	0.1	pet	D-027
8. Direct Orange 34	5.0	pet	D-051
9. Dimethyl dihydroxy ethylene urea	4.5	aq	D-052

Compound

Conc.	Veh.	Art. No.
%(w/w)		
10. Dimethylol dihydroxy ethylene urea, modified	5.0	aq
11. Disperse Blue 106	0.25	pet
12. -		
13. Urea formaldehyde resin	10.0	pet
14. Melamine formaldehyde (Kaurit M70) ³	7.0	pet
15. -		
16. Disperse Orange 1	0.15	pet
17. Acid Yellow 61	5.0	pet
18. Disperse Brown 1	1.0	pet
19. Disperse Yellow 9	1.0	pet
20. Disperse Blue 124	1.0	pet
21. Basic Red 46	1.0	pet
22. Reactive Black 5	1.0	pet
23. Reactive Blue 21	1.0	pet
24. Disperse Blue mix 106/124	0.25	pet
- Disperse Blue 106	0.125	
- Disperse Blue 124	0.125	
25. Reactive Orange 107	1.0	pet
26. Reactive Red 123	1.0	pet
27. Textile dye mix ¹	1.6	pet
- Disperse Blue 35	0.1	
- Disperse Orange 1	0.15	
- Disperse Red 1	0.4	
- DISPERSE RED 17	0.4	
- Disperse Yellow 3	0.4	
- Disperse Blue 106	0.075	
- Disperse Blue 124	0.075	
28. Reactive Red 228	1.0	pet
29. Reactive Violet 5	1.0	pet
30. Acid Red 118	5.0	pet

Revised February 2025

Art. No.	Serial no.	Conc % (w/w) & Vehicle	Name
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List of Topical Haptens

Volatile haptens and not recommended to preload.

¹ Also present in European Baseline Series

² Emulsifier: SORBITAN SESQUIOLEATE 5%

³ Emulsifier: SORBITAN SESQUIOLEATE 1%

⁴ Emulsifier: SORBITAN SESQUIOLEATE 2%

⁵ Contains DECYL GLUCOSIDE

⁶ Present in national series. Visit www.chemotechnique.se for further information.

^{EC} Directive 2003/15/EC relating to cosmetic products

Art. No.	Serial no.	Conc % (w/w) & Vehicle	Name
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A-001	O-1	10.0 pet	ABIETIC ACID
A-002	C-23, PG-19	10.0 pet	HYDROABIETYL ALCOHOL
A-003B	PL-11	0.033 pet	Alantolactone
A-004	ICB-1, C-2, O-26, LU-1, NA-1 NAC-1, AC-2	50.0 pet	Amerchol L-101
A-005	SH-21	0.25 pet	4-Aminoazobenzene (PABA)
A-006A	<i>Deleted 2019</i>		(PABA)
A-006B	<i>Deleted 2019</i>		(PABA)
A-006C	PP-7, SU-2	10.0 pet	PABA
A-007	<i>Deleted 2018</i>		(<i>N,N</i> -DIETHYL- <i>p</i> -PHENYLENEDI AMINE SULFATE (TSS))
A-008	H-10	1.0 pet	m-AMINOPHENOL
A-009	H-11	1.0 pet	p-AMINOPHENOL
A-010	IMP-25, MET-19	0.1 aq	Ammonium hexachloroplatinate(IV)
A-011	B-16, H-5, NA-2, NAC-2 ICB-2	2.5 pet	AMMONIUM PERSULFATE
A-012	H-4	2.5 aq	AMMONIUM THIOGLYCOLATE
A-013	<i>Deleted 2022</i>		(Ammonium tetrachloroplatinate(II)
A-014	F-3	2.0 pet	AMYL CINNAMAL
A-015	B-10	5.0 pet	TRANS-ANETHOLE
A-016	PL-16	0.1 pet	Atranorin
A-017	O-19	1.0 pet	7-ETHYLBICYCLOOXAZOLIDINE
A-018	<i>Deleted 2021</i>		(Azodiisobutyrodonitrile)
A-019	SH-4	1.0 pet	Acid Yellow 36
A-020	<i>Deleted 2021</i>		(Amylocaine hydrochloride)
A-021	<i>Deleted 2017</i>		(Aluminium)
A-022	DS-24, MET-1	2.0 pet	Aluminium(III)chloride hexahydrate

Art. No.	Serial no.	Conc % (w/w) & Vehicle	Name
A-023	CS-5	1.0 pet	Alclometasone-17,21-dipropionate
A-024	PL-3	0.5 pet	Arnica montana extract
A-025	PL-5	1.0 pet	Achillea millefolium extract
A-026	TF-17	5.0 pet	Acid Yellow 61
A-027	TF-30	5.0 pet	Acid Red 118
A-028	TF-5	5.0 pet	Acid Red 359
A-029	ICB-71, NA-51, NAC-71, AC-73	0.1 aq	Amidoamine
A-030	CAD-2	10.0 pet	Amoxicillin trihydrate
A-031	CAD-18	10.0 pet	Acetylsalicylic acid
A-032	CAD-22	10.0 pet	ACETAMINOPHEN
A-033	CAD-23	10.0 pet	Acyclovir
A-034	METE-14	0.1 aq	Ammonium hexachloroiritide(IV)
A-035	METE-13	1.0 aq	Ammonium molybdate (VI) tetrahydrate
A-036	F-32	5.0 pet	Amyl cinnamyl alcohol
A-037	F-33	10.0 sof	Anise alcohol
A-038	MET-27	10.0 pet	ALUMINUM HYDROXIDE
A-039	H-31	1.0 pet	4-AMINO-2-HYDROXYTOLUENE
B-001	S-15, ICB-3, H-14, IS-7, DMP-22, LA-15, NA-3, NAC-3, ECB-15, AC-10	25.0 pet	Peru balsam ²
B-002	Component of Mx-14		(Beech tar)
B-003B	S-30, ECB-30, O-9, NA-4, NAC-4, ICB-4	0.1 pet	BENZISOTHIAZOLINONE
B-004	ICB-5, NAC-5, AC-26	5.0 pet	Benzocaine
B-005	B-12, AC-77	5.0 pet	BENZOIC ACID
B-006	O-14, P-10	1.0 pet	BENZOTRIAZOLE
B-007	B-17, LU-10, PG-7,	1.0 pet	Benzoylperoxide
B-008B	ICB-6, C-34, F-16, P-12, NA-4, NAC-6, AC-80	10.0 sof	BENZYL ALCOHOL
B-009	<i>Deleted 2015</i>		(BENZYLPARABEN)
B-010A	<i>Deleted 2011</i>		(BENZYL SALICYLATE)
B-010B	ICB-7, C-30 NAC-7, F-15, AC-83	10.0 pet	BENZYL SALICYLATE
B-011	Component of Mx-14		(Birch tar)
B-013	PG-10	1.0 pet	Bisphenol A
B-014	<i>Deleted 2022</i>		(Bithionol)
B-015A	C-31, H-19, O-29	0.25 pet	2-BROMO-2-NITROPROPANE-1,3-DIOL

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
B-015B	ICB-8, NA-5 NAC-8, ECB-33, AC-23	0.5 pet	2-BROMO-2-NITROPROPANE-1,3-DIOL
B-016	MA-21	0.1 pet	1,4-Butanediol diacrylate
B-017	DS-8, MA-7, DMP-9, DMS-7	2.0 pet	1,4-Butanediol dimethacrylate
B-018	MA-27	0.1 pet	Butyl acrylate
B-019	O-8	1.0 pet	4-tert-Butylbenzoic acid (BUTYLPARABEN)
B-020	<i>Deleted 2021</i>		
B-021	MA-2,	2.0 pet	BUTYL METHACRYLATE
B-022	B-9, C-6, PG-18	2.0 pet	2-tert-Butyl-4-methoxyphenol (BHA)
B-023	PG-20	1.0 pet	4-tert-Butylphenol
B-024	S-16, ICB-9, PG-13, SH-8, IS-11, AC-13 LA-16, NA-6, NAC-9, ECB-16, <i>Deleted 2018</i>	1.0 pet	4-tert-Butylphenolformaldehyde resin (PTBP)
B-025	TF-21	1.0 pet	<i>(Tolu balsam absolute)</i>
B-026	LU-4, AC-60	0.1 aq	BENZALKONIUM CHLORIDE
B-027	NA-52, NAC-72, ICB-72		
B-027B	<i>Deleted 2020</i>		(BENZALKONIUM CHLORIDE)
B-028	C-36	1.0 pet	t-BUTYL HYDROQUINONE
B-029B	<i>Deleted 2019</i>		(BUTYL METHOXYDIBENZOYLMETHANE)
B-029C	SU-1, PP-8,	10.0 pet	BUTYL METHOXYDIBENZOYLMETHANE
B-030B	PG-8	0.25 pet	4-tert-Butylcatechol
B-031	CS-2	1.0 pet	Betamethasone-17-valerate
B-032A	ME-7, LU-6	5.0 pet	Bacitracin
B-032B	ICB-10, NA-7 NAC-10, AC-33	20.0 pet	Bacitracin
B-033A	ICB-11, NA-8, NAC-11, AC-30	0.1 pet	Budesonide
B-033B	S-24, CS-1, LU-17, IS-15, LA-24, ECB-24	0.01 pet	Budesonide
B-035	E-10	0.25 pet	Epoxy resin, Bisphenol F (1,4-Butanediol diglycidyl ether)
B-036	<i>Deleted 2021</i>		
B-037	SU-16, PP-9,	10.0 pet	BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENOL TRIAZINE
B-038	F-34	10.0 pet	BENZYL BENZOATE
B-039	F-35	10.0 pet	BENZYL CINNAMATE
B-040	F-36	10.0 pet	BUTYLPHENYL METHYLPROPIONAL
B-041	<i>Deleted 2022</i>		(Benzylamine hydrochloride)
B-042	CS-10	1.0 pet	Betamethasone 17,21-dipropionate
B-043	ME-17	5.0 pet	Bufexamac
B-044	MET-3	1.0 pet	Beryllium(II)sulfate tetrahydrate

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
C-001	MET-20	1.0 aq	Cadmium chloride
C-002	F-19	2.0 pet	Cananga oil
C-003	C-29	5.0 pet	CETYL ALCOHOL
C-004	<i>Deleted 2022</i>		(CHLORHEXIDINE DIACETATE)
C-005	C-16, LU-3, AC-52	0.5 aq	CHLORHEXIDINE DIGLUCONATE
	NA-53, NAC-73, ICB-73		
C-006	H-15, C-19, O-12, LU-24	0.2 pet	CHLOROACETAMIDE
C-007A	H-24, C-40 LA-21	1.0 pet	QUATERNIUM-15
C-007B	ICB-12, IS-16 NA-9, NAC-12, AC-18	2.0 pet	QUATERNIUM-15
C-008	C-11, H-21, O-2, LU-16, AC-90	1.0 pet	p-CHLORO-m-CRESOL
C-009A	LA-23 ⁶ , AC-17	0.01 aq	METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE
C-009B	S-23, ICB-74, C-35, O-31, SH-20, H-18, NA-54, NAC-74, ECB-23	0.02 aq	METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE
C-009C ⁶		0.01 pet	METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE ³
C-009D	<i>Deleted 2021</i>		
C-009E	IS-17	0.215 aq	METHYLISOTHIAZOLINONE + METHYLCHLOROISOTHIAZOLINONE ³
C-010A	C-12, H-22, O-3	0.5 pet	CHLOROXYLENOL (PCM)
C-010B	ICB-12, NAC-12, AC-54	1.0 pet	CHLOROXYLENOL (PCM)
C-011	<i>Deleted 2021</i>		(Chlorpromazine hydrochloride)
C-012	<i>Deleted 2021</i>		(Chlorquinaldol)
C-013	B-7, F-2	2.0 pet	CINNAMYL ALCOHOL
C-014	ICB-14, B-8, F-1 NAC-14, AC-46	1.0 pet	CINNAMAL
C-015	C-21, LA-8	5.0 pet	Clioquinol
C-016	<i>Deleted 2023</i>		(Coal tar)
C-017A	S-5, ICB-15, DS-12, H-8, DMP-13, LA-5, NA-10, IS-22, NAC-15, ECB-5, AC-12, MET-2	1.0 pet	Cobalt(II)chloride hexahydrate
C-017B	<i>Deleted 2020</i>		(Cobalt(II)chloride hexahydrate)
C-018	ICB-75, C-33, H-17, LA-30,	1.0 aq	COCAMIDOPROPYL BETAINE

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
	NA-55, NAC-75, AC-40		
C-019	ICB-16, O-30	0.5 pet	COCAMIDE DEA NA-11, NAC-16, AC-58
C-020	S-9, ICB-17, DS-17, SH-11, IS-6, DMP-17, NA-12, LA-9, NAC-17, ECB-9, AC-7	20.0 pet	COLOPHONIUM
C-021	METE-6	5.0 pet	Copper(I)oxide
C-022	DS-21, MET-5	2.0 pet	Copper(II)sulfate pentahydrate
C-023	R-9	1.0 pet	N-Cyclohexyl-2-benzothiazolylsulfenamide
C-024	R-5	1.0 pet	N-Cyclohexyl-N-phenyl-4-phenylenediamine
C-025	H-20	0.5 pet	Captan
C-026	DS-25	1.0 pet	BORNANEDIONE
C-027	Deleted 2019		(Cyclohexanone resin)
C-028	ICB-18, CS-6	1.0 pet	Clobetasol-17-propionate NA-13, NAC-18, AC-72
C-029	PL-1	1.0 pet	Anthemis nobilis extract
C-031	PL-7	1.0 pet	Chrysanthemum Cinerariaefolium extract
C-032	ME-1, LU-9	5.0 pet	Chloramphenicol
C-033	LU-7, AC-81	20.0 pet	CETEARYL ALCOHOL
C-034	R-25	1.0 pet	N-(Cyclohexylthio) phthalimide
C-035	DS-32, DMP-20	5.0 pet	CARVONE
C-036	F-26	2.0 pet	CITRAL
C-037	F-28	1.0 pet	CITRONELLOL
C-038	F-30	5.0 pet	COUMARIN
C-039	Only available as a part of Mx-18		
C-040	CAD-4	10.0 pet	Cefotaxim sodium salt
C-041	CAD-9	10.0 pet	Clarithromycin
C-042	CAD-11	10.0 pet	Cotrimoxazole
C-043	Deleted 2025		(Ciprofloxacin hydrochloride)
C-044	CAD-14	1.0 pet	Carbamazepine
C-045	CAD-17	5.0 pet	Captopril
C-046	CAD-26	10.0 pet	Clindamycin phosphate
C-047	CAD-27	10.0 pet	Cefradine
C-048	CAD-28	10.0 pet	Cefalexin
C-049	METE-9	10.0 pet	CALCIUM TITANATE
C-050	H-36	0.5 pet	CETRIMONIUM BROMIDE
C-051	PL-14	1.0 pet	Chamomilla recutita extract
C-052	H-32	0.5 pet	CYSTEAMINE HCL
C-053	CAD-25	10.0 pet	Cefuroxime sodium
C-054	CAD-1	10.0 pet	Cefixime trihydrate

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
C-055	CAD-6	10.0 pet	Cefpodoxime proxetil
C-056	C-61	5.0 pet	CETEARYL GLUCOSIDE
C-059	AC-82	2.5 pet	Carmine
D-001	E-2, I-3, R-18	0.5 pet	4,4'-Diaminodiphenylmethane (MDA)
D-002	H-2, NA-14, NAC-19, ICB-19	1.0 pet	TOLUENE-2,5-DIAMINE SULFATE
D-003	R-10	1.0 pet	Dibenzothiazyl disulfide (MBTS) (Dibucaine hydrochloride)
D-005A	Deleted 2022	2.5 pet	Dibucaine hydrochloride
D-006	B-5, C-7, PG-5 LU-8, AC-78	2.0 pet	BHT
D-007	PG-2	5.0 pet	Dibutyl phthalate
D-008	O-4	1.0 pet	DICHLOROPHENE
D-009	MA-22	0.1 pet	Di(ethylene glycol) diacrylate
D-010	E-5	1.0 pet	Diethylenetriamine, (DETA)
D-011	Deleted 2018		(N,N-DIETHYL TOLUENE-2,5-DIAMINE HCL)
D-012	Deleted 2025		(Dimethylol dihydroxy ethylene urea)
D-014	Deleted 1999		(Dimethylol propyleneurea)
D-015	O-20	1.0 pet	Bioban CS 1135
D-016	DS-6	5.0 pet	N,N-Dimethyl-4-toluidine
D-017	R-15	1.0 pet	N,N-Di-2-naphthyl-4-phenylenediamine (DBNPD)
D-018	PG-4	2.0 pet	Diethyl phthalate (DEHP, DOP)
D-019	R-4	1.0 pet	Dipentamethylenethiuram disulfide (DIPENTENE (oxidized))
D-020	Deleted 2014		
D-021	ME-20	1.0 pet	Diphenhydramine hydrochloride
D-022	ICB-20, R-12, SH-16, NA-15, NAC-20, AC-68	1.0 pet	1,3-Diphenylguanidine
D-023	Deleted 2012		(Diphenylmethane-4,4'-diisocyanate (MDI))
D-023B	Deleted 2022		(Diphenylmethane-4,4'-diisocyanate (MDI)
D-024	R-6	1.0 pet	N,N'-Diphenyl-p-phenylenediamine (DPPD)
D-025	PG-22, R-19, SH-13	1.0 pet	N,N'-Diphenylthiourea (DPTU)
D-026	TF-6	1.0 pet	DISPERSE BLUE 3
D-027	TF-7	0.1 pet	Disperse Blue 35
D-028	Deleted 2023		(Disperse Blue 85)
D-029	Deleted 2019		(Disperse Blue 153)
D-030	TF-18	1.0 pet	Disperse Brown 1
D-031	TF-16	0.15 pet	Disperse Orange 1
D-032	TF-2, SH-3, AC-76	1.0 pet	DISPERSE ORANGE 3
D-033	Deleted 1999		(Disperse Orange 13)
D-034	TF-3	0.4 pet	Disperse Red 1

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
D-035	TF-4	1.0 pet	DISPERSE RED 17
D-036	TF-1, AC-84	0.4 pet	Disperse Yellow 3
D-037	TF-19	1.0 pet	Disperse Yellow 9
D-038	SH-17, R-23	1.0 pet	N,N'-Dibutylthiourea
D-039	SH-15, R-22	1.0 pet	N,N'-Diethylthiourea
D-040	TF-11	0.25 pet	Disperse Blue 106
D-041	TF-20	1.0 pet	Disperse Blue 124
D-042	B-19, C-39	0.25 pet	DODECYL GALLATE
D-043	R-24, SH-19	0.1 pet	Dodecyl mercaptan 
D-044A	C-42, H-26, IS-24, LU-25, LA-31, ECB-34	2.0 pet	DIAZOLIDINYL UREA
D-044B	<i>Deleted 2021</i>		(DIAZOLIDINYL UREA 
D-044C	ICB-21, NA-16 NAC-21, AC-25	1.0 pet	DIAZOLIDINYL UREA
D-045	DS-26, MA-14, DMP-7	0.2 pet	DIMETHYLAMINOETHYL METHACRYLATE 
D-046	CS-7	1.0 pet	Dexamethasone-21-phosphate disodium salt
D-047A	C-44	2.0 aq	DMDM HYDANTOIN 
D-047B	ICB-22, NAC-22, AC-5	1.0 pet	DMDM HYDANTOIN ³ 
D-048	PL-2	1.0 pet	Diallyl disulfide 
D-049A	IS-20	0.3 pet	METHYLDIBROMO GLUTARONITRILE (METHYLDIBROMO GLUTARONITRILE)
D-049C	<i>Deleted 2014</i>		
D-049E	S-26, ICB-23, O-34, C-45, LA-26 NAC-23, ECB-26	0.5 pet	METHYLDIBROMO GLUTARONITRILE
D-050	TF-10	5.0 aq	Dimethylol dihydroxy ethylene urea, modified 
D-051	TF-31	5.0 pet	Direct Orange 34
D-052	TF-9	4.5 aq	Dimethyl dihydroxy ethylene urea 
D-053	C-48, E-9, AC-42 NA-56, NAC-76, ICB-76	1.0 aq	3-(Dimethylamino)-1-propylamine 
D-054	SH-23, R-27	1.0 pet	4,4'-Dithiodimorpholine
D-055	SU-11, PP-10,	10.0 pet	DROMETRIZOLE TRISILOXANE
D-056	Component of Mx-18		
D-057	CS-9	1.0 pet	Desoximetasone
D-058	CAD-3	10.0 pet	Dicloxacillin sodium salt hydrate
D-059	CAD-5	10.0 pet	Doxycycline monohydrate
D-060	CAD-16	10.0 pet	Diltiazem hydrochloride
D-061A	<i>Deleted 2021</i>		(Diclofenac sodium salt)
D-061B	PP-26, CAD-19	5.0 pet	Diclofenac sodium salt
D-062	SU-18, PP-12,	10.0 pet	2-(4-Diethylamino-2-hydroxybenzoyl) benzoic acid hexylester
D-063	SU-19, PP-16,	10.0 pet	DIETHYLHEXYL BUTAMIDO

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
			TRIAZONE
D-064	SU-20, PP-24	10.0 pet	Disodium phenyl dibenzimidazole tetrasulfonate
D-065	ICB-24, C-57, H-29, PP-18, SU-21, S-32, NA-17, NAC-24, AC-45, ECB-32,	5.0 pet	DECYL GLUCOSIDE ⁴ 
D-066A	<i>Deleted 2018</i>		(Dimethyl fumarate)
D-066B	SH-24	0.01 pet	Dimethyl fumarate 
D-067	<i>Deleted 2021</i>		(Dexketoprofen)
E-001	<i>Deleted 2019</i>		(Epoxy acrylate)
E-002	S-14, ICB-25, IS-10, SH-18, LA-14, NA-18, DMP-23, AC-14 NAC-25, ECB-14,	1.0 pet	Epoxy resin, Bisphenol A
E-003	<i>Deleted 2011</i>		(Ethoxyquin)
E-004	ICB-26, MN-11, NA-19, NAC-26, AC-50, MA-17	0.1 pet	Ethyl acrylate 
E-005	ICB-27, C-22, O-15, E-8, P-9, NA-20, NAC-27, AC-11	1.0 pet	Ethylenediamine dihydrochloride
E-006		1.0 pet	Ethylenediaminetetraacetic acid disodium salt dihydrate
E-007	DS-4, MA-5, MN-6, MP-10, DMP-3, DMS-3	2.0 pet	Ethylene glycol dimethacrylate 
E-008	<i>Deleted 2018</i>		(Ethylene urea)
E-009	<i>Deleted 2021</i>		(2-Ethylhexyl acrylate)
E-010	<i>Deleted 2025</i>		(ETHYLPARABEN)
E-011	<i>Deleted 2018</i>		(N-Ethyl-N-(2-hydroxyethyl)-2-methyl-1,4-phenylenediamine sulfate salt)
E-012	MN-2, MA-19	2.0 pet	ETHYL METHACRYLATE 
E-013	<i>Deleted 2018</i>		(N-Ethyl-N-(2-methane-sulfonamidoethyl)-2-methyl-1,4-PPD-sesquisulfate, hydrate (CD-3))
E-014	O-11	0.5 pet	Bioban P 1487 
E-015	DS-18, DMP-18	0.1 pet	N-Ethyl-p-toluenesulfonamide
E-016	B-2, DS-16, F-4, DMP-16, DMS-9	2.0 pet	EUGENOL 
E-017	PL-17	0.1 pet	Evernic acid
E-018B	<i>Deleted 2019</i>		(ETHYLHEXYL DIMETHYL PABA)
E-018C	<i>Deleted 2019</i>		(ETHYLHEXYL DIMETHYL PABA)
E-018D	SU-5	10.0 pet	ETHYLHEXYL DIMETHYL PABA

Art. No.	Serial no.	Conc % (w/w) & Vehicle	Name
E-019B	<i>Deleted 2019</i>		(ETHYLHEXYL METHOXYCINNAMATE)
E-019C	SU-7, PP-4, AC-79	10.0 pet	ETHYLHEXYL METHOXYCINNAMATE
E-020	<i>Deleted 2019</i>		(Epoxy resin, cycloaliphatic)
E-021	ME-11	1.0 alc	Econazole nitrate 
E-022	<i>Deleted 2022</i>		(Eosin)
E-023	MA-15, AC-74, MN-11	10.0 pet	ETHYL CYANOACRYLATE 
E-024	CAD-7	10.0 pet	Erythromycin base
E-025	PP-15,	2.0 pet	Etofenamate
E-026	F-37	1.0 pet	Treemoss absolute 
E-027	C-58, AC-70	5.0 pet	ETHYLHEXYLGLYCERIN
F-001	<i>Deleted 2022</i>		(2,2'-THIOBIS(4-CHLOROPHENOL))
F-002A	⁶	1.0 aq	FORMALDEHYDE 
F-002B	S-18, ICB-77, DS-19, H-6, IS-5, O-25, AC-21 SH-12, NA-51, NAC-77, ECB-18	2.0 aq	FORMALDEHYDE 
F-002C	LA-18 ⁶	1.0 pet	FORMALDEHYDE ³ 
F-003	LU-2, ME-13	2.0 pet	Fusidic acid sodium salt
F-004	F-27	5.0 pet	FARNESOL
F-005	LU-19, ME-8	20.0 pet	Framycetin sulphate
F-006	<i>Deleted 2022</i>		(Fenofibrate)
G-001	F-6	2.0 pet	GERANIOL 
G-002	F-22	2.0 pet	Geranium oil 
G-003A	DS-34, SH-2, P-11, DMS-10	0.2 pet	GLUTARAL ² 
G-003B		0.5 pet	GLUTARAL ² 
G-004	H-16,	1.0 pet	GLYCERYL THIOGLYCOLATE 
G-005A	METE-5	0.5 pet	Gold(I)sodium thiosulfate dihydrate
G-005B	DS-14, DMP-14, MET-4, AC-28	2.0 pet	Gold(I)sodium thiosulfate dihydrate
G-006	ME-5	20.0 pet	Gentamicin sulfate
G-007	MET-24	1.0 pet	Gallium(III)oxide
H-001	PP-28 ⁶	1.0 pet	Hexachlorophene
H-002	C-20, O-10	1.0 aq	Hexahydro-1,3,5-tris-(2-hydroxyethyl) triazine 
H-003	C-15, E-1, R-17	2.0 pet	METHENAMINE
H-004	DS-27, MA-11, MN-8, DMP-10	0.1 pet	1,6-Hexanediol diacrylate
H-005	O-23	1.0 pet	Hydrazine sulfate
H-006	<i>Deleted 2019</i>		(HYDROGEN PEROXIDE)
H-007	H-13, PG-1, P-5	1.0 pet	HYDROQUINONE
H-008	F-8	2.0 pet	HYDROXYCITRONELLAL
H-009	MN-12, MA-18	0.1 pet	2-Hydroxyethyl acrylate 
H-010	DMS-5, DMP-6,	2.0 pet	2-Hydroxyethyl methacrylate 

Art. No.	Serial no.	Conc % (w/w) & Vehicle	Name
	DS-13, ECB-8, ICB-28, MA-3, MN-4, AC-43 NA-21, NAC-28, S-8		
H-011	<i>Deleted 2018</i>		(HYDROXYLAMINE HCL 
H-012	<i>Deleted 2018</i>		(HYDROXYLAMINE SULFATE 
H-013	DS-5, MA-10, DMP-4, DMS-4, MN-7	2.0 pet	Bisphenol A glycerolate dimethacrylate (BIS-GMA)
H-014C	C-25, DS-7, SU-6, AC-55, PP-1, O-21	10.0 pet	BENZOPHENONE-3
H-015		1.0 pet	TRIS(HYDROXYMETHYL)NITRO- METHANE
H-016	C-37, DS-28, PG-6, DMP-21	1.0 pet	DROMETRIZOLE
H-017	<i>Deleted 2021</i>		(Hydroxypropyl acrylate)
H-018	MA-4, MN-5, SH-5	2.0 pet	Hydroxypropyl methacrylate 
H-019		1.0 pet	Hydroquinone monobenzylether
H-020B	PP-19, SU-8	10.0 pet	BENZOPHENONE-10
H-021A	CS-8	1.0 alc	Hydrocortisone-17-butyrate 
H-021B	LA-39, AC-31	1.0 pet	Hydrocortisone-17-butyrate
H-022	I-2	0.1 pet	Hexamethylene diisocyanate (HDI) 
H-023B	<i>Deleted 2019</i>		(BENZOPHENONE-4)
H-023C	PP-2, ICB-29 SU-10, AC-61 NAC-29	2.0 pet	BENZOPHENONE-4
H-024A	SU-3	5.0 pet	HOMOSALATE
H-024B	PP-21	10.0 pet	HOMOSALATE
H-025	F-29	10.0 pet	Hexyl cinnamic aldehyde (1,6-Hexanediol diglycidylether)
H-026	<i>Deleted 2021</i>		
H-027	CAD-15	10.0 pet	Hydantoin
H-028	CAD-24	1.0 pet	Hydroxyzine hydrochloride
H-029	<i>Deleted 2025</i>		(Hydrochlorotiazide)
H-031A	F-43, ECB-37	1.0 pet	Hydroperoxides of Linalool 
H-031B	F-46, ECB-38, NA-22, NAC-30 ICB-30, AC-19	0.5 pet	Hydroperoxides of Linalool 
H-032A	B-15, F-44, O-27, ECB-39	0.3 pet	Hydroperoxides of Limonene 
H-032B	F-47, ECB-40, AC-59, NA-23, NAC-31, ICB-31	0.2 pet	Hydroperoxides of Limonene 
H-033	H-34	2.0 pet	HYDROXYETHYL-p-PHENYLENE- DIAMINE SULFATE

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
H-034	CS-13	1.0 pet	Hydrocortisone-21-acetate
I-001A	ICB-32, C-14, H-23, LU-26, LA-40, NA-24, NAC-32, ECB-34, AC-29	2.0 pet	IMIDAZOLIDINYL UREA
I-001B	<i>Deleted 2019</i>		(IMIDAZOLIDINYL UREA)
I-002	B-3, F-5	2.0 pet	ISOEUGENOL
I-003	C-1,	20.0 pet	ISOPROPYL MYRISTATE
I-004	S-11, IS-28, SH-1, R-7, LA-11, ECB-11 NAC-33, ICB-33	0.1 pet	N-Isopropyl-N-phenyl-4-phenylenediamine (IPPD)
I-005	<i>Deleted 1999</i>		(4-Isopropyl-dibenzoylmethane)
I-006	E-6, I-5	0.1 pet	Isophorone diamine (IPD)
I-007	I-4	1.0 pet	ISOPHORONE DIISOCYANATE (IPDI)
I-008C	ICB-34, C-47, O-35, NA-25, NAC-34, AC-38	0.2 pet	IODOPROPYNYL BUTYLCARBAMATE
I-009	SU-15, PP-6	10.0 pet	ISOAMYL p-METHOXYCINNAMATE
I-010A	<i>Deleted 2025</i>		(Ibuprofen)
I-010B	<i>Deleted 2023</i>		(Ibuprofen)
I-011	MET-21	10.0 aq	Indium(III)chloride
I-012	MET-7	1.0 pet	Iridium(III)chloride trihydrate
I-013	METE-15	10.0 aq	Indium(III)sulfate
I-014	METE-7	1.0 pet	Iridium
I-015	METE-8	1.0 pet	Indium
I-016	MET-18	2.0 pet	FERRIC CHLORIDE
I-017	F-38	10.0 pet	α -Isomethyl ionone
I-018	<i>Deleted 2018</i>		(Imiperenem monohydrate)
I-019	MA-16	0.1 pet	ISOBORNYL ACRYLATE
J-001	F-14	2.0 pet	Jasmine synthetic
J-002	F-23, AC-85	2.0 pet	Jasmine absolute
J-003	Only available as a part of Mx-14 (Juniperus oxycedrus extract)		
K-001	ME-2	10.0 pet	Kanamycin sulfate
K-002B	CAD-20, PP-11, NAC-35, AC-36	1.0 pet	Ketoprofen
L-001	F-18, AC-47	2.0 pet	Lavender absolute
L-002A	V-25	5.0 pet	Lidocaine
L-002B	ICB-35, NA-26 NAC-35, AC-36	15.0 pet	Lidocaine
L-003	S-28, ICB-36, F-25, AC-69 LA-28, ECB-28, NAC-36, AC-89, NA-27,	5.0 pet	HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE
L-004	C-49, H-27, AC-89, NA-27,	3.0 pet	LAURYL POLYGLUCOSE

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
		NAC-37, ICB-37	
L-005B	F-40	10.0 pet	LINALOOL
L-006C	F-39	10.0 pet	d-Limonene
L-007	<i>Deleted 2019</i>		(Lead(II)acetate trihydrate)
L-008	METE-17	0.2 aq	Lead(II)chloride
L-009	CAD-13	10.0 pet	Lamotrigine
M-001	TF-14	7.0 pet	Melamine formaldehyde ³
M-002	B-6	2.0 pet	MENTHOL
M-003A	S-17, O-16, R-8, SH-14, LA-17, ECB-17	2.0 pet	2-Mercaptobenzothiazole (MBT)
M-003B	ICB-38, NA-28 NAC-38, AC-32	1.0 pet	2-Mercaptobenzothiazole (MBT)
M-004	METE-3	0.1 pet	Mercury(II)chloride
M-005	<i>Deleted 2023</i>		(Mercury)
M-006B	DS-33, DMP-5, MA-20	2.0 pet	2,2-bis(4-(2-Methacryloyloxyethoxy)phenyl)-propane (BIS-EMA)
M-007	DS-9, MA-9	2.0 pet	Bisphenol A dimethacrylate (BIS-MA)
M-008	LA-22, PL-18	0.01 pet	2-Methoxy-6-n-pentyl-4-benzoquinone
M-009	<i>Deleted 2018</i>		(p-METHYLMINOPHENOL SULFATE)
M-010A	<i>Deleted 2018</i>		(6-METHYL COUMARIN)
M-010B	<i>Deleted 2023</i>		(6-METHYL COUMARIN)
M-012	<i>Deleted 2021</i>		(METHYLPARABEN)
M-013	ICB-39, DS-1, MA-1, MN-3 DMP-1, DMS-1, NA-29, NAC-39, AC-46	2.0 pet	Methyl methacrylate
M-014	O-13	0.1 pet	N-Methylolchloroacetamide
M-015	PG-21	1.0 pet	2-Monomethylol phenol
M-016	R-11	1.0 pet	2-(4-Morpholinylmercapto)benzothiazol (MOR)
M-018	<i>Deleted 2021</i>		(MUSK KETONE)
M-019	F-12	1.0 pet	Musk moskene
M-020	<i>Deleted 1999</i>		(Musk tibetine)
M-021	F-10	1.0 pet	Musk xylene
M-022	MET-9, DS-11 DMP-12, DMS-8	1.0 pet	Mercury(II)amidochloride
M-023	MA-26	1.0 pet	N,N-Methylene-bisacrylamide
M-024B	SU-4, PP-3,	10.0 pet	4-METHYLBENZYLIDENE CAMPHOR
M-025	DS-22	1.0 pet	Methylhydroquinone
M-026	PL-9	0.01 pet	α -Methylene- γ -butyrolactone
M-027	ME-10	1.0 alc	Miconazole
M-028	F-11, PP-29	5.0 pet	METHYL ANTHRANILATE
M-029	<i>Deleted 2019</i>		(Minocycline hydrochloride)
M-030	MET-13	5.0 pet	Molybdenum

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
M-031	MET-15	2.0 pet	MANGANESE CHLORIDE
M-032	<i>Deleted 2018</i>		(Methylene bis-benzotriazolyl tetramethylbutylphenol 
M-033	F-42	5.0 pet	Majanthole
M-034	F-41	0.2 pet	Methyl-2-octynoate 
M-035A	<i>Deleted 2021</i>		(METHYLISOTHIAZOLINONE) 
M-035B	S-29, ICB-78, C-54, LA-37, NA-58, NAC-78, ECB-29, AC-9	0.2 aq	METHYLISOTHIAZOLINONE 
M-035C	<i>Deleted 2021</i>		(METHYLISOTHIAZOLINONE) 
M-035D	V-39	0.2 pet	METHYLISOTHIAZOLINONE ³ 
M-036	CS-11	1.0 pet	Methylprednisolone aceponate
M-037	PP-14, SU-17	10.0 pet	Methylene bis-benzotriazolyl tetramethyl-butylphenol
M-038	METE-21	0.5 pet	Molybdenum(V)chloride
M-039	H-33	1.0 pet	2-METHYLRESORCINOL
M-040	H-35	1.0 pet	p-METHYLAMINOPHENOL
Mx-01	S-3, ICB-40, IS-3, SH-6, LA-3, NA-30, NAC-40, ECB-3, AC-24	1.0 pet	Thiuram mix
		0.25	-Dipentamethylthiuram disulfide (D-019)
		0.25	-Tetraethylthiuram disulfide (TETD) (T-002)
		0.25	-Tetramethylthiuram disulfide (TMTD) (T-005)
		0.25	-Tetramethylthiuram monosulfide (TMTM) (T-006)
Mx-02	V-27	6.0 pet	Quinoline mix
		3.0	-Chlorquinadol (C-012)
		3.0	-Clioquinol (C-015)
Mx-03A	ICB-41, NA-31 NAC-41, AC-8	12.0 pet	Paraben mix
		3.0	-BUTYLPARABEN (B-020)
		3.0	-ETHYLPARABEN (E-010)
		3.0	-METHYLPARABEN (M-012)
		3.0	-PROPYLPARABEN (P-020)
Mx-03C	S-10, C-17, IS-29, LA-10 ECB-10	16.0 pet	Paraben mix
		4.0	-BUTYLPARABEN (B-020)
		4.0	-ETHYLPARABEN (E-010)
		4.0	-METHYLPARABEN (M-012)
		4.0	-PROPYLPARABEN (P-020)
Mx-04	AC-16, ICB-42, NA-32, NAC-42	0.6 pet	Black rubber mix
		0.25	-N-Cyclohexyl-N-phenyl-4-phenylene-diamine (C-024)
		0.25	-N,N'-Diphenyl-p-phenylenediamine (D-024)
		0.1	-N-Isopropyl-N-phenyl-4-phenylene-diamine (IPPD) (I-004)
Mx-05A	S-13, LA-13, ECB-13	2.0 pet	Mercapto mix
		0.5	-N-Cyclohexyl-2-benzothiazyl-

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
		0.5	sulfenamide (C-023)
		0.5	-Dibenzothiazyl disulfide (MBTS) (D-003)
		0.5	-2-Mercaptobenzothiazole (MBT) (M-003)
		0.5	-2-(4-Morpholinylmercapto)benzothiazol (MOR) (M-016)
Mx-05B	ICB-43, NAC-43, AC-22	1.0 pet	Mercapto mix
		0.25	-N-Cyclohexyl-2-benzothiazyl-sulfenamide (C-023)
		0.25	-Dibenzothiazyl disulfide (MBTS) (D-003)
		0.25	-2-Mercaptobenzothiazole (MBT) (M-003)
		0.25	-2-(4-Morpholinylmercapto)benzothiazol (MOR) (M-016)
Mx-05C	IS-9	3.5 pet	Mercapto mix
		0.5	-N-Cyclohexyl-2-benzothiazyl-sulfenamide (C-023)
		0.5	-Dibenzothiazyl disulfide (MBTS) (D-003)
		2.0	-2-Mercaptobenzothiazole (MBT) (M-003)
		0.5	-2-(4-Morpholinylmercapto)benzothiazol (MOR) (M-016)
Mx-06	ICB-44, IS-21 LA-38, NA-33 NAC-44, AC-15	3.0 pet	Carba mix
		1.0	-1,3-Diphenylguanidine 1.0 D-022
		1.0	-ZINC DIBUTYLDITHIOCARBAMATE (ZBC) (Z-002)
		1.0	-Zinc diethyldithiocarbamate (ZDC) (Z-003)
Mx-07	S-19, ICB-45, IS-12, LA-19 NA-34, NAC-45 ECB-19, AC-6, F-45	8.0 pet	Fragrance mix I 
		1.0	-AMYL CINNAMAL (A-014)
		1.0	-CINNAMYL ALCOHOL (C-013)
		1.0	-CINNAMAL (C-014)
		1.0	-EUGENOL (E-016)
		1.0	-GERANIOL (G-001)
		1.0	-HYDROXYCITRONELLAL (H-008)
		1.0	-ISOEUGENOL (I-002)
		1.0	-Oakmoss absolute (O-001)
Mx-08	<i>Deleted 2021</i>		(Perfume mix)
Mx-09	<i>Deleted 2014</i>		(Wood mix)
Mx-10B	C-55	3.0 pet	Musk mix
		1.0	-MUSK KETONE (M-018)
		1.0	-MUSK moskene (M-019)
		1.0	-MUSK xylene (M-021)
Mx-11	<i>Deleted 2018</i>		(Naphthyl mix)
Mx-12	<i>Deleted 2018</i>		(Caine mix I)
Mx-13		10.0 pet	Caine mix II
		2.5	-Dibucaine hydrochloride (D-005)
		5.0	-Lidocaine (L-002)
		2.5	-Tetracaine hydrochloride (T-025)

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
Mx-14	LU-15	12.0 pet	Wood tar mix 
		3.0	-Beech tar (B-002)
		3.0	-Birch tar (B-011)
		3.0	-Juniperus oxycedrus extract (J-003)
		3.0	-Pine tar (P-012)
Mx-15	PL-12	0.3 pet	Lichen acid mix
		0.1	-Atranorin (A-016)
		0.1	-Evernic acid (E-017)
		0.1	-(+)-Usnic acid (U-005)
Mx-16	<i>Deleted 2023</i>		(Ethyleneurea, melamine formaldehyde mix ²⁾
Mx-17D	<i>Deleted 2011</i>		(Euxyl K 400)
Mx-18	S-20, ICB-46, IS-30, ECB-20, LA-20, NA-35, PL-8, NAC-46, AC-57	0.1 pet	Sesquiterpene lactone mix
		0.033	-Alantolactone (A-003)
		0.033	-Costunolide (C-039)
		0.033	-Dehydrocostus lactone (D-056)
Mx-19	ECB-6, LA-6 ME-9, S-6 ICB-47, NA-36 NAC-47	10.0 pet	Caine mix III
		5.0	-Benzocaine (B-004)
		2.5	-Dibucaine hydrochloride (D-005)
		2.5	-Tetracaine hydrochloride (T-025)
Mx-20	ME-12	10.0 pet	Caine mix IV
		5.0	-Lidocaine (L-002)
		2.5	-Amylocaine hydrochloride (A-020)
		2.5	-Prilocaine hydrochloride (P-027)
Mx-21C	<i>Deleted 2019</i>		(Dermatophagoides mix (Pteronyssinus/Pharinae 50/50))
Mx-22A	<i>Deleted 2011</i>		(Compositae mix I)
Mx-23	CS-12	2.1 pet	Corticosteroid mix
		1.0	-Hydrocortisone-17-butyrate (H-021)
		1.0	-Tixocortol-21-pivalate (T-031)
		0.1	-Budesonide (B-033)
Mx-24	ICB-48, LA-36 NA-37, NAC-48, AC-41	1.0 pet	Mixed dialkyl thiourea
		0.5	-N,N'-Dibutylthiourea (D-038)
		0.5	-N,N'-Diethylthiourea (D-039)
Mx-25	S-27, ICB-49, F-31, IS-25, LA-27, NA-38 NAC-49, ECB-27, AC-34	14.0 pet	Fragrance mix II 
		5.0	-Hexyl cinnamic aldehyde (H-025)
		2.5	-COUMARIN (C-038)
		2.5	-FARNESOL (F-004)
		2.5	-HYDROXYISOHEXYL 3-CYCLO-HEXENE CARBOXALDEHYDE (L-003)
		1.0	-CITRAL (C-036)
		0.5	-CITRONELLOL (C-037)
Mx-26	TF-24, LA-35 AC-35	0.25 pet	Disperse Blue mix 106/124
		0.125	-Disperse Blue 106 (D-040)
		0.125	-Disperse Blue 124 (D-041)

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
Mx-27	<i>Deleted 2025</i>		(Thiourea mix)
Mx-28	<i>Deleted 2019</i>		(Gallate mix)
Mx-28B	B-20, C-60	1.0 pet	Gallate mix
		0.25	-DODECYL GALLATE (D-042)
		0.5	-PROPYL GALLATE (P-021)
		0.25	-Octyl GALLATE (O-002)
Mx-29A	ICB-50, IS-23 NA-39, NAC-50, AC-65, ECB-36	5.0 pet	Compositae mix II 
		1.2	-Anthemis nobilis extract (C-029)
		1.2	-Chamomilla recutita extract (C-051)
		1.0	-Achillea millefolium extract (A-025)
		1.0	-Tanacetum vulgare extract (T-033)
		0.5	-Arnica montana extract (A-024)
Mx-29B	6	0.1	-Parthenolide (P-029)
		2.5 pet	Compositae mix II 
		0.6	-Anthemis nobilis extract (C-029)
		0.6	-Chamomilla recutita extract (C-051)
		0.5	-Achillea millefolium extract (A-025)
		0.5	-Tanacetum vulgare extract (T-033)
Mx-30	<i>Deleted 2025</i>	0.25	-Arnica montana extract (A-024)
		0.05	-Parthenolide (P-029)
Mx-31	<i>Deleted 2023</i>		(Textile dye mix)
Mx-32			(Caine mix V)
Mx-32	S-31, ECB-31, ICB-51, NA-40, NAC-51, IS-14, TF-27	1.6 pet	Textile dye mix
		0.1	-Disperse Blue 35 (D-027)
		0.15	-Disperse Orange 1 (D-031)
		0.4	-Disperse Red 1 (D-034)
		0.4	-DISPERSE RED 17 (D-035)
		0.4	-Disperse Yellow 3 (D-036)
		0.075	-Disperse Blue 106 (D-040)
N-001	S-4, ICB-52, LA-4, NA-41, NAC-52, IS-2 ECB-4, AC-3	0.075	-Disperse Blue 124 (D-041)
		20.0 pet	Neomycin sulfate
N-002A	S-7, H-7, SH-10, DS-15, DMP-15	5.0 pet	Nickel(II)sulfate hexahydrate
N-002B	LA-7, ECB-7, MET-22		
		2.5 pet	Nickel(II)sulfate hexahydrate
N-003	<i>Deleted 2015</i>		(SOLVENT BLACK 5)
N-004	H-3	1.0 pet	2-NITRO-p-PHENYLENEDIAMINE
N-005	ME-6, LU-5	1.0 pet	Nitrofurazone

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
N-006	F-9	2.0 pet	Narcissus poeticus absolute
N-007	CAD-12	10.0 pet	Norfloxacin
N-008	MET-28	0.2 pet	Niobium(V)chloride
O-001	F-7	2.0 pet	Oakmoss absolute ²
O-002	B-14, C-8	0.25 pet	Octyl gallate
O-003	<i>Deleted 2021</i>		(Oligotriacrylate (OTA 480))
O-004	O-33, SH-22, PG-23, ICB-54	0.1 pet	2-n-Octyl-4-isothiazolin-3-one
	NAC-54, ECB-35		
O-005	ICB-79, C-56, H-28, NA-59, NAC-79, AC-44	0.1 aq	OLEAMIDOPROPYL DIMETHYLAMINE
O-006	<i>Deleted 2017</i>		(OLEA EUROPAEA OIL)
O-007A	SU-13	5.0 pet	ETHYLHEXYL SALICYLATE
O-007B	PP-22	10.0 pet	ETHYLHEXYL SALICYLATE
O-008	<i>Deleted 2023</i>		(Olaquindox)
O-009	SU-12, PP-5,	10.0 pet	OCTOCRYLENE
O-010	SU-14, PP-13,	10.0 pet	ETHYLHEXYL TRIAZONE
P-001	DS-23, DMP-19, IMP-29, MET-23	2.0 pet	Palladium(II)chloride
P-002	<i>Deleted 2021</i>		(Pentaerythritol triacrylate)
P-003	V-5	100	PETROLATUM
P-004	<i>Deleted 2018</i>		(1-Phenyl-3-pyrazolidinone)
P-005	<i>Deleted 2023</i>		(Phenol formaldehyde resin (PFR2))
P-006	S-2, H-1, ICB-55, SH-9, IS-4, LA-2, NA-43, NAC-55, ECB-2, AC-20	1.0 pet	p-PHENYLENEDIAMINE (PPD)
P-007	PG-17	2.0 pet	2-Phenylindole
P-008	C-18, LU-23, METE-12	0.01 aq	PHENYL MERCURIC ACETATE
P-009	R-16	1.0 pet	N-Phenyl-2-naphthylamine (PBN)
P-010	O-5	1.0 pet	o-PHENYLPHENOL
P-011	C-24, PG-3	1.0 pet	PHENYL SALICYLATE
P-012	Only available as part of Mx-14 (Pine tar)		
P-013	C-4	5.0 pet	POLYSORBATE 80
P-014A	S-1, DS-10, SH-7, P-14, IS-1, DMP-1, LA-1, ECB-1, MET-30	0.5 pet	Potassium dichromate
P-014B	ICB-56, NA-44, NAC-56, AC-4	0.25 pet	Potassium dichromate
P-015	METE-2	0.1 aq	Potassium dicyanoaurate(I)
P-016	V-15	1.0 pet	Procaine hydrochloride
P-017A	<i>Deleted 2019</i>		(Promethazine hydrochloride)

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
P-017B	<i>Deleted 2021</i>		(Promethazine hydrochloride)
P-018	B-13	3.0 pet	PROPIONIC ACID
P-019A	C-27, O-6, LU-11	5.0 pet	PROPYLENE GLYCOL ³
P-019B	ICB-80, NA-60	30.0 aq	PROPYLENE GLYCOL
	NAC-80, AC-37		
P-019C	<i>Deleted 2017</i>		(PROPYLENE GLYCOL)
P-020	<i>Deleted 2021</i>		(PROPYLPARABEN)
P-021	B-18, C-38, LA-32	1.0 pet	PROPYL GALLATE
	ICB-57, NAC-57		
P-022	ECB-22, ICB-58, NA-45, NAC-58, LU-12, PL-6, AC-53	10.0 pet	Propolis
P-023	E-4	0.25 pet	2-Phenyl glycidyl ether
P-024B	SU-9, PP-20	10.0 pet	PHENYLBENZIMIDAZOLE SULFONIC ACID
P-025	C-41, O-32, AC-75	1.0 pet	PHENOXYETHANOL
P-026	ME-21, AC-39	5.0 pet	Polymyxin B sulfate
	ICB-59, NAC-59		
P-027A		5.0 pet	Prilocaine hydrochloride
P-028	<i>Deleted 2018</i>		(p-PHENYLENEDIAMINE HCL)
P-029	PL-13	0.1 pet	Parthenolide
P-030	<i>Deleted 2014</i>		(Phosphorus sesquisulfide)
P-031	<i>Deleted 2018</i>		(Penicillin G, potassium salt)
P-032	<i>Deleted 2021</i>		(Pristinamycin)
P-033	CAD-21, PP-17, ⁶	1.0 pet	Piroxicam
P-034	PP-23	100	Polyethylene glycol 400 (PEG 400)
P-035	C-50, AC-86	10.0 pet	Polysilicone-15
P-036		2.0 pet	Peppermint oil
P-038	<i>Deleted 2022</i>		(Polymeric diphenylmethane diisocyanate (PMDI))
P-039	ME-18, AC-87	2.0 pet	Pramoxine hydrochloride
	NA-46, ICB-60, NAC-60		
P-040	CAD-10	10.0 pet	Potassium clavulanate
P-041	ME-19	10.0 pet	Phenylbutazone
P-042	C-62, H-12	5.0 pet	PANTHENOL
P-043	C-63	2.5 aq	POLYAMINOPROPYL BIGUANIDE
Q-001	ME-3	1.0 pet	Quinine sulfate
R-001	H-9	1.0 pet	RESORCINOL
R-002	PG-16	1.0 pet	Resorcinol monobenzoate
R-003	F-20	2.0 pet	Rose absolute
R-004B	TF-22	1.0 pet	Reactive Black 5
R-005B	TF-23	1.0 pet	Reactive Blue 21
R-006B	<i>Deleted 2016</i>		(Reactive Blue 238)
R-007B	TF-25	1.0 pet	Reactive Orange 107
R-008B	TF-26	1.0 pet	Reactive Red 123
R-009B	<i>Deleted 2018</i>		(Reactive Red 238)

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
R-010B	TF-28	1.0 pet	Reactive Red 228
R-011B	TF-29	1.0 pet	Reactive Violet 5
R-012	MET-25	0.1 pet	Ruthenium
R-013	METE-19	2.0 pet	Rhodium(III)chloride hydrate
S-001	B-4, AC-62 ICB-61, NAC-61	5.0 pet	SODIUM BENZOATE
S-002	C-32, O-28	0.1 aq	Sodium-2-pyridinethiol-1-oxide
S-003	B-11, C-10, LU-14 AC-63	2.0 pet	SORBIC ACID
S-004	C-5, LU-22, ECB-42, ICB-62 NAC-62	5.0 pet	SORBITAN OLEATE
S-005	C-26, LU-20 AC-67, F-13, ECB-41, ICB-63 NAC-63	20.0 pet	SORBITAN SESQUIOLEATE
S-006	C-28	30.0 pet	STEARYL ALCOHOL
S-007	MET-26	1.0 aq	SILVER NITRATE (Styra)
S-008	<i>Deleted 2023</i>		
S-009	F-24	2.0 pet	Sandalwood oil
S-010	ME-4	5.0 pet	Sulfanilamide
S-011	C-59, H-37 ECB-21, S-21 ICB-64, NA-47 NAC-64	1.0 pet	SODIUM METABISULFITE
S-012	CAD-8	10.0 pet	Spiramycin base
S-013	METE-16	1.0 pet	STANNOUS CHLORIDE
S-014	METE-11	1.0 pet	Tin(II)oxalate
S-015	C-51, AC-88	20.0 alc	SHELLAC
S-016	V-30	100	Softisan 649
S-017	DMP-24, DS-31, MET-12, LA-33	3.0 pet	Sodium tetrachloropalladate(II) hydrate
S-018	V-36	0.25 aq	SODIUM LAURYL SULFATE
S-019	METE-23	2.0 aq	Sodium tungstate dihydrate
T-001	<i>Deleted 2018</i>		(3,3',4',5-Tetrachlorosalicylanilide (TCS))
T-002	R-3	1.0 pet	Tetraethylthiuram disulfide (TETD) (Tetramethylol acetylenediurea)
T-003	<i>Deleted 1999</i>		(3,3',5,5'-Tetramethylbenzidine)
T-004	<i>Deleted 2014</i>		
T-005	R-1	1.0 pet	Tetramethylthiuram disulfide (TMTD)
T-006	R-2	1.0 pet	Tetramethylthiuram monosulfide (TMTM)
T-007	C-13, O-22, LU-13, LA-34	0.1 pet	THIMEROSAL
T-008	DS-30, MET-12	50.0 pet	Tin
T-009	I-1	2.0 pet	Toluene-2,4-diisocyanate (TDI)
T-010	ICB-65, PG-15, LA-29, NA-48,	10.0 pet	Toluenesulfonamide formaldehyde resin

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
	NAC-65, AC-56		
T-011	DS-20	2.0 pet	4-Tolylidethanolamine (3,4,5-Tribromosalicylanilide (TBS))
T-012	<i>Deleted 2021</i>		
T-013	O-24, PP-30	1.0 pet	TRICLOCARBAN
T-014	C-9, O-18, PP-25	2.0 pet	TRICLOSAN
T-015	PG-11, P-16	5.0 pet	Tricresyl phosphate
T-016	C-3, O-7, LU-18,	2.0 pet	TRIETHANOLAMINE
T-017	MA-25, MN-9	0.1 pet	Triethylene glycol diacrylate
T-018	DS-2, MA-6, DMP-2, DMS-2	2.0 pet	Triethylene glycol dimethacrylate
T-019	E-3	0.5 pet	Triethylenetetramine (TETA)
T-020	R-21	1.0 pet	2,2,4-Trimethyl-1,2-dihydroquinoline
T-021	MA-24	0.1 pet	Trimethylolpropane triacrylate
T-022	PG-14	5.0 pet	Triphenyl phosphate
T-023	MA-23	0.1 pet	Tri(propylene glycol) diacrylate (Turpentine peroxides)
T-024A	<i>Deleted 2011</i>		
T-024B	C-53	0.4 pet	Turpentine oil oxidized
T-025A	V-22	5.0 pet	Tetracaine hydrochloride
T-026	R-26, PP-27	0.1 pet	Thiourea
T-027	DS-29, MA-12, MN-10, DMP-8, DMS-6	2.0 pet	Tetrahydrofurfuryl methacrylate
T-028	PG-9	0.5 pet	Triglycidyl isocyanurate, (TGIC)
T-029	MA-13	2.0 pet	Tetraethylene glycol dimethacrylate
T-030	CS-3, AC-71	1.0 pet	Triamcinolone acetonide
T-031A	ICB-66, NA-49 NAC-66, AC-27	1.0 pet	Tixocortol-21-pivalate
T-031B	S-25, IS-19, CS-4, LU-21, LA-25, ECB-25	0.1 pet	Tixocortol-21-pivalate
T-032	PL-4	2.5 pet	Taraxacum officinale extract
T-033	PL-10	1.0 pet	Tanacetum vulgare extract
T-034	ME-14	1.0 pet	Tioconazole
T-035B	ICB-67, C-46 NA-50, NAC-67, AC-51	5.0 pet	Tea tree oil oxidized
T-036	ICB-68, C-43, NAC-68, AC-49	100	TOCOPHEROL
T-037B	C-52	10.0 pet	TOCOPHERYL ACETATE (Trimethylolpropane triglycidyl ether)
T-038	<i>Deleted 2021</i>		
T-039	MET-8	5.0 pet	Titanium(III)nitride
T-040	METE-20	10.0 pet	TITANIUM DIOXIDE
T-041	MET-11	5.0 pet	Titanium(IV)oxalate hydrate
T-042	METE-22	10.0 pet	Titanium
T-043	MET-17	5.0 pet	Tungsten

Art. No.	Serial no.	Conc % (w/w)	Name & Vehicle
T-044	Deleted 2016		(Sodium tungstate dihydrate )
T-045	Deleted 2016		(Terephthalidene dicamphor sulphonic acid (Mexoryl SX))
T-046	Deleted 2016		(Turpentine peroxides)
T-047	MET-29	1.0 pet	Tantalum
T-048	E-11	0.5 pet	2,4,6-Tris(dimethylaminomethyl)phenol 
T-049	H-30	1.0 pet	TOLUENE-2,5-DIAMINE ³
T-050	ME-15	20.0 pet	Tobramycin
U-001	TF-13	10.0 pet	Urea formaldehyde resin (Urethane diacrylate, aliphatic)
U-002	Deleted 2019		(Urethane diacrylate, aromatic)
U-003	Deleted 2019		
U-004	DS-3, MA-8	2.0 pet	Urethane dimethacrylate 
U-005	PL-15	0.1 pet	(+)-Usnic acid
V-001	B-1, F-17	10.0 pet	VANILLIN
V-002	METE-10	5.0 pet	Vanadium
V-003	MET-14	1.0 pet	Vanadium(III)chloride
V-004	ME-16	10.0 aq	Vancomycin hydrochloride 
V-005	METE-4	10.0 pet	Vanadium(V)oxide
W-001	S-12, IS-8, LA-12, ECB-12 ICB-69, NAC-69	30.0 pet	LANOLIN ALCOHOL
X-001	E-7	0.1 pet	m-Xylylenediamine 
Y-001	ICB-70, F-21 NAC-70, AC-64	2.0 pet	Ylang ylang oil 
Z-001	METE-1	2.5 pet	Zinc
Z-002	R-14	1.0 pet	ZINC DIBUTYLDITHIOCARBAMATE (ZBC)
Z-003	R-13	1.0 pet	Zinc diethyldithiocarbamate (ZDC)
Z-004	R-20	1.0 pet	Zinc dimethyldithiocarbamate (Ziram)
Z-005	O-17	1.0 pet	Zinc ethylenebis-(dithiocarbamate) (Zineb)
Z-006	H-25	1.0 pet	ZINC PYRITHIONE (ZINC CHLORIDE)
Z-007A	Deleted 2011		
Z-007B	MET-10	1.0 pet	ZINC CHLORIDE
Z-008	MET-16	1.0 pet	Zirconium(IV)chloride
Z-009	METE-18	0.1 pet	ZIRCONIUM DIOXIDE

Abbreviations in Hapten Information

CAS: Chemical Abstract Service (CAS) registry numbers.

Cross: Antigens mentioned are primary sensitizers to which the compound might crossreact. For further information visit www.contactderm.org.

FW: Formula weight.

ICU: Immunologic Contact Urticaria.

INCI: International Nomenclature of Cosmetic Ingredients, names displayed in Capitals in accordance to EUR-Lex 2006/257/EG. All the haptens with INCI names are written in capital letters throughout the catalogue.

NSAID: Non-steroidal anti-inflammatory drug

NICU: Nonimmunologic contact urticaria.

PA: Compound that may cause photoallergic reactions.

PL: Compound that may cause persistent light reactions.

PT: Compound that may cause phototoxic reactions.

UCU: Uncertain mechanism type contact urticaria.

 Volatile hapten, not recommended for preloading

¹ Also present in European Baseline Series

² Emulsifier: SORBITAN SESQUIOLEATE 5%

³ Emulsifier: SORBITAN SESQUIOLEATE 1%

⁴ Emulsifier: SORBITAN SESQUIOLEATE 2%

⁵ Contains DECYL GLUCOSIDE

⁶ Present in national series. Visit www.chemotechnique.se for further information.

^{EC} Directive 2003/15/EC relating to cosmetic products

Hapten Information

Art. No. Formula FW

A

ABIETIC ACID

A-001 $C_{20}H_{30}O_2$ 302.44

Component in tall oil used as deodorizing agent in cooling fluids. Major component of rosin used in adhesive tapes, glues, inks, sealants, cosmetics, dental impression materials. **Cross:** **COLOPHONIUM, dihydroabietyl alcohol. CAS 514-10-3.**

ACETAMINOPHEN

A-032 $C_8H_9NO_2$ 151.16

Paracetamol or acetaminophen, is the active metabolite of phenacetin, a so-called coal tar analgesic. It is an effective substitute for acetylsalicylic acid, due to its analgesic(to relieve minor aches and pains) and antipyretic (to reduce fever) properties. However, unlike aspirin, it is not a very effective anti-inflammatory agent though it lacks many of the side effects of aspirin, and is available over-the-counter. Paracetamol is also useful in the management of more severe pain, where it allows lower dosages of additional non-steroidal anti-inflammatory drugs (NSAIDs) or opioid analgesics to be used, thereby minimizing overall side effects. It is a major ingredient in numerous cold and flu medications. **CAS 103-90-2.**

Acetylsalicylic acid

A-031 $C_9H_8O_4$ 180.16

Aspirin®, or acetylsalicylic acid, (acetosal) is a salicylate drug often used as an analgesic, antipyretic, and as an anti-inflammatory. It also has an antiplatelet ("blood-thinning") effect and is used long-term in low doses to prevent heart attacks and blood clot formation in people at high risk for developing blood clots. **CAS 50-78-2.**

Art. No. Formula FW

Achillea millefolium extract

A-025

Perennial compositae weed with white flowers. Grows in most of Europe and in N. America, New Zealand and southern Australia. The raw material for this product is made from an ethanol extraction of the plant/flowers of Achillea Millefolium. Contains the sesquiterpene lactone -peroxyachifolide. Also known as Yarrow. Also available as part of Mx-29A and Mx-29B. **May cause airborne contact dermatitis.**

Acid Yellow 36

A-019 $C_{18}H_{14}N_3NaO_3$ 375.38

Dye used in leather. As indicator (pH) in laboratories. **CAS 587-98-4.**

Acid Yellow 61

A-026

Azo dye belonging to the acid dye class for coloring wool and polyamide textiles. **CAS 12217-38-8**

Acid Red 118

A-027

Azo dye belonging to the acid dye class for coloring wool and polyamide textiles.

Acid Red 359

A-028

Azo dye (chrome) belonging to the premetallic dye class for coloring wool and polyamide textiles. **CAS 61814-65-1.**

Acyclovir

A-033 $C_8H_{11}N_5O_3$ 225.21

Aciclovir, chemical name acycloguanosine, is a guanine analogue antiviral drug, marketed under trade names such as Zovirax and Zovir. One of the most commonly-used antiviral drugs, it is primarily used for the treatment of herpes simplex virus infections, as well as in the treatment of herpes zoster (shingles). **CAS 59277-89-3.**

Art. No.	Formula	FW
Alantolactone		
A-003	C ₁₅ H ₂₀ O ₂	232.31

Sesquiterpene lactone present in, e.g., species of Chrysanthemum plants (Helenin). Also available as part of Mx-18. **CAS** 546-43-0.

Art. No.	Formula	FW
A-023	C ₂₈ H ₃₇ ClO ₇	520.71

Topical non-fluorinated corticosteroid with low systemic effects. **CAS** 66734-13-2.

Art. No.	Formula	FW
A-022	AlCl ₃ · 6H ₂ O	241.43

This hapten is a marker for contact allergy to **aluminum**. Used in preserving wood, disinfecting stables, etc., in deodorants and antiperspirant preparations. Used in refining crude oil, dyeing fabrics. Found in dental ceramics and topical astringents. **CAS** 7784-13-6

Art. No.	Formula	FW
A-038	Al(OH) ₃	78.0

This hapten is a marker for contact allergy to **aluminum**. Most of this chemical is converted to aluminium oxide (alumina) that is used in the manufacture of aluminium metal. The chemical is also used as a fire retardant filler, producing water vapor and smoke suppressant for polymer applications. The gel form of the chemical is applied to make aluminium salts as flocculants in water purification. The substance is also used as an antacid, to treat/control, or manage high levels of phosphate in the body. In addition it is also used with a low phosphate diet to prevent the formation of phosphate urinary stones. It can also be found in personal care products. Aluminum can in different forms be found in dental implants. **CAS** 21645-51-2

Art. No.	Formula	FW
A-004		

Trade name of product containing lanolin alcohols obtained from hydrolysis of lanolin. Emulsifier and emollient in cosmetic and pharmaceutical bases, topical drugs, furniture polish, leather, metal corrosion prevention, paper, inks, textiles, furs, cutting oils, waxes. **UCU**.

Art. No.	Formula	FW
Amidoamine		
A-029		

Amidoamines are a class of chemical compounds used as intermediates in the synthesis of surfactants, such as cocamidopropylbetaine (CAPB), some of which are used in personal care products including soaps, shampoos, and cosmetics. Amidoamines are amides formed from fatty acids and diamines. Studies have concluded that most apparent allergic reactions to products containing CAPB are more likely due to amidoamine.

Art. No.	Formula	FW
A-005	C ₁₂ H ₁₁ N ₃	197.24

Intermediate in the production of diazo dyes. Pigment in, e.g., plastic materials. Also known as Solvent yellow 1. **Cross: para group of compounds**. **CAS** 60-09-3.

Art. No.	Formula	FW
A-039	H ₂ NC ₆ H ₃ (CH ₃)OH	123.15

This substance is typically used in the formulation of hair dyes and colors. **CAS** 2835-95-2

Art. No.	Formula	FW
A-008	C ₆ H ₇ NO	109.13

Used as a coupler for hair dyes. Found as dye intermediate. Used in the manufacturing of 4-amino salicylic acid. **Cross: para group of compounds**. **CAS** 591-27-5.

Art. No.	Formula	FW
A-009	C ₆ H ₇ NO	109.13

Primary intermediate for hair dyes. Photographic developer. Dye for furs and feathers. **Cross: para group of compounds**. **CAS** 123-30-8.

Art. No.	Formula	FW
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Ammonium hexachloroiridate(IV)

A-034	$\text{H}_8\text{Cl}_6\text{IrN}_2$	441.01
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This haptens is a marker for contact allergy to **iridium**. Ammonium hexachloroiridate (IV) is used in the production of photographic emulsions and in catalytic composites in the process of converting hydrocarbons. **CAS** 16940-92-4.

Ammonium hexachloroplatinate(IV)

A-010	$\text{Cl}_6\text{H}_8\text{N}_2\text{Pt}$	443.88
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This haptens is a marker for contact allergy to **platinum**. Precious metal salt which is used in platinum plating. **ICU**. **CAS** 16919-58-7.

Ammonium molybdate (VI) tetrahydrate

A-035	$\text{H}_{24}\text{Mo}_7\text{N}_6\text{O}_{24} \cdot 4\text{H}_2\text{O}$	1235.86
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This haptens is a marker for contact allergy to **molybdenum**. Ammonium Molybdate is an odourless crystalline compound ranging in colour from white to yellow-green. It is also called molybdic acid hexammonium salt tetrahydrate, ammonium molybdate tetrahydrate, and ammonium heptamolybdate tetrahydrate. Used as an analytical reagent to find the presence of phosphates, silicates, arsenates and lead in pigments. Used in the production of molybdenum metal and ceramics, in the fixing of metals and in electroplating, in fertilizers for crops and as a negative stain in biological electron microscopy.

CAS 12054-85-2.

AMMONIUM PERSULFATE

A-011	$\text{H}_8\text{N}_2\text{O}_8\text{S}_2$	228.20
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Found in hair bleaches as oxidizer and bleacher. Used in decolorizing and deodorizing oils, electroplating, making starch soluble, yeast treatment. Used as reducer and retarder in photography. **May cause airborne contact dermatitis**. **UCU**. **CAS** 7727-54-0.

AMMONIUM THIOGLYCOLATE

A-012	$\text{C}_2\text{H}_7\text{NO}_2\text{S}$	109.15
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Acts as reducing agent in permanent waving formulations for hair treatment. **CAS** 5421-46-5.

Art. No.	Formula	FW
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Amoxicillin trihydrate

A-030	$\text{C}_{16}\text{H}_{19}\text{N}_3\text{O}_5\text{S}$	365.40
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Amoxicillin or amoxycillin is a moderate-spectrum β -lactam antibiotic used to treat bacterial infections caused by susceptible microorganisms. It is usually the drug of choice within the class because it is better absorbed, following oral administration, than other beta-lactam antibiotics. Amoxicillin is susceptible to degradation by β -lactamase-producing bacteria, and so may be given with clavulanic acid to decrease its susceptibility. Is currently marketed by GlaxoSmithKline (the inheritor company) under the original trade name Amoxil. **CAS** 61336-70-7.

AMYL CINNAMAL

A-014	$\text{C}_{14}\text{H}_{18}\text{O}$	202.30
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Raw material in the production of perfumes. Also known as Amylcinnamalaldehyde. Also available as part of Mx-07.

Cross: **amylcinnamic alcohol**. **CAS** 122-40-7.

Amyl cinnamyl alcohol

A-036	$\text{C}_{14}\text{H}_{20}\text{O}$	204.31
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Amyl cinnamyl alcohol is one of many ingredients in fragrances. It is found in soaps, detergent, beauty care products and household products. **CAS** 101-85-9.

TRANS-ANETHOLE

A-015	$\text{C}_{10}\text{H}_{12}\text{O}$	148.21
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Used as flavoring agent in food, dentifrices, pharmaceuticals etc. In perfumery for soap, etc. In photography and in embedding materials in microscopy. **CAS** 4180-23-8.

Anise alcohol

A-037	$\text{C}_8\text{H}_{10}\text{O}_2$	138.16
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Anise alcohol (2-Methoxybenzyl alcohol) is one of many ingredients in fragrances. It is found in soaps, detergents, beauty care products and household products. **CAS** 105-13-5.

Art. No.	Formula	FW
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Anthemis nobilis extract

C-029

Compositae plant growing in most of Europe, in N.Africa, S.America, Australia and New Zealand. A yellow dye is extracted from the dried flowers and is sometimes used in shampoos, hair rinses and ointments. Anaphylactic reaction following ingestion of camomile tea has been reported. The raw material for this product is made from an ethanol extraction of the plant/flowers of *Anthemis nobilis*. May be referred to as *Chamomilla Romana*. Also available as part of Mx-29A and Mx-29B.

Arnica montana extract

A-024

Compositae plant that grows on prairies and in mountainous lands in Europe, and Asia. Tincture of arnica is used in trauma treatment. The raw material for this product is made from an ethanol extraction of the plant/flowers of *Arnica Montana*. Major haptens appear to be helenalin and its esters. Also available as part of Mx-29A and Mx-29B. **Cross: a number of other Asteraceae plants.**

Atranorin

A-016 $C_{19}H_{18}O_8$ 374.33

One of the most common substances found in lichens. Component in extracts of oak moss used as fragrance. Also available as part of Mx- 15. **Cross: oakmoss. PA. CAS 479-20-9**

B

Bacitracin

B-032 $C_{66}H_{103}N_{17}O_{16}S$ 1421.79

Antibiotic agent effective against gram-positive organisms and spirochetes. In products for topical treatment, ear medications, and ophthalmic drugs. Common hapten in leg ulcer treatment. **Cross: polymyxin B sulfate, neomycin sulfate. ICU. CAS 1405-87-4.**

Art. No.	Formula	FW
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Basic Red 46

B-026

Monoazo dye used for acrylic and polyester textiles (sweaters, etc.).

Beech tar

Mx-14

Used in tar paper, insulation tapes and topical medicaments. Also known as *FAGUS SYLVATICA*. Available as part of Mx-14.

BENZALKONIUM CHLORIDE

B-027 $C_{17}H_3OCIN$ 283.88

Topical quaternary ammonium antiseptic agent found in ophthalmic (eye) preparations, skin disinfectants, cosmetics, deodorants, mouthwashes, dentifrices, sterilization solutions, lozenges, and solutions for contact lenses. **Cross: cetrimoniumbromide, benzethoniumchloride. May cause airborne contact dermatitis. CAS 63449-41-2**

BENZISOTHIAZOLINONE

B-003 C_7H_5NOS 151.19

Preservative used in cooling fluids, paints, adhesives paper and in the textile industry . Also known as **BIT. CAS 2634-33-5**.

Benzocaine

B-004 $C_9H_{11}NO_2$ 165.19

Local and topical anesthetic used in products such as burn and sunburn remedies, hemorrhoidal creams, suppositories, creams for treatment of poison ivy, oral and gingival products, sore throat sprays/lozenges, astringents, appetite suppressants. Also known as Ethyl 4-aminobenzoate. Also available as part of Mx-19. **Cross: para group of compounds, butethamine, procainamide, hydrochlorothiazide, PABA and esters, azo/aniline dyes, PPD, sulfonamides, sulfonylureas, 4-aminosalicylic acid, parabens. PA. UCU. CAS 94-09-7.**

Art. No.	Formula	FW	Art. No.	Formula	FW
BENZOIC ACID B-005	$C_7H_6O_2$	122.12	Benzoylperoxide B-007	$C_{14}H_{10}O_4$	242.23
Used in preserving foods, fats, fruit juices, etc (it and its salt is represented by E-numbers E210, E211, E212, and E213). Also used as an antifungal agent in pharmaceutical preparations and cosmetics. Cross: Peru balsam. ICU. CAS 65-85-0			Used as initiator in the polymerization of plastics, as oxidizer in bleaching oils, flour etc. Is a keratolytic agent in acne medications. May cause discoloration of the hair and postinflammatory pigmentation and hypopigmentation. May cause airborne contact dermatitis. UCU. CAS 94-36-0.		
BENZOPHENONE-3 H-014	$C_{14}H_{12}O_3$	228.24	BENZYL ALCOHOL B-008	C_7H_8O	108.13
Common UV-adsorber in dental composite materials and other plastic materials. Used as a UV-adsorber in topical sunscreens, moisturizers, shampoos, hair care products, lipsticks, lip balms, nail polish, etc. Also known as 2-Hydroxy-4-methoxybenzophenone, Eusolex 4360, Escalol 567, Oxybenzone. Cross: dioxybenzone. PA. CAS 131-57-7.			Solvent in photography, perfumery and for dyestuffs, inks, pharmaceutical products, etc. Used as preservative in injectable drugs, ophthalmic solutions, and oral liquids. Cross: Peru balsam, benzoin tincture. May cause pigmentation of the face. ICU. CAS 100-51-6.		
BENZOPHENONE-4 H-023	$C_{14}H_{12}O_6S$	308.31	BENZYL BENZOATE B-038	$C_{14}H_{12}O_2$	212.24
Sunscreen for use in various sunscreen products as well as in textiles, plastics, paints and cosmetics. Also known as 2-Hydroxy-4-methoxy-benzophenone-5-sulfonic acid, Sulisobenzene and Uvinul MS-40. CAS 4065-45-6.			Benzyl benzoate is the ester of BENZYL ALCOHOL and BENZOIC ACID. This easily prepared compound has a variety of uses. Benzyl benzoate, as a topical solution, may be used as an antiparasitic insecticide to kill lice and the mites responsible for the skin condition scabies. It has other uses such as a fixative in fragrances to improve the stability and other characteristics of the main ingredients; a food additive in artificial flavors; a plasticizer in cellulose and other polymers; a solvent for various chemical reactions; a treatment for sweet itch in horses. CAS 120-51-4.		
BENZOPHENONE-10 H-020	$C_{15}H_{14}O_3$	242.26	BENZYL CINNAMATE B-039	$C_{16}H_{14}O_2$	238.29
UV absorbing agent in sunscreen cosmetics of the type creams, lotions, lipsticks, sun oils, etc. Also known as 2-Hydroxy-4-methoxy-4'-methylbenzophenone, Mexenone. Cross (photo): BENZOPHENONE-3. PA. CAS 1641-17-4			Used as flavoring agent (sweet, floral, fruity) and as a perfumery fixer. CAS 103-41-3		
BENZOTRIAZOLE B-006	$C_6H_5N_3$	119.13	BENZYL SALICYLATE B-010	$C_{14}H_{12}O_3$	228.26
Anticorrosive agent in cooling fluids fuels, photographic development, antifreeze, dry cleaning, etc. Also known as 1H-Benzotriazole. CAS 95-14-7.			Used as organic solvent for perfumes, also found in tanning creams and lotions. May cause pigmentation of the face. CAS 118-58-1.		

Art. No.	Formula	FW
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Beryllium(II)sulfate tetrahydrate

B-044 $\text{BeSO}_4 \cdot 4\text{H}_2\text{O}$ 177.14

This haptен is a marker for contact allergy to **beryllium**. Beryllium improves many physical properties when added as an alloying element to aluminum, copper, iron and nickel. It can be found in tools and in the aerospace industry where it is used for aircraft components, missiles, spacecraft and satellites. It is a common window material for X-ray equipment and components of particle physics experiments. It is also used in thermal management applications. **CAS** 7787-56-6.

Betamethasone-17,21-dipropionate

B-042 $\text{C}_{28}\text{H}_{37}\text{FO}_7$ 504.59

Betamethasone dipropionate is a glucocorticoid steroid with anti-inflammatory and immunosuppressive abilities. It is applied as a topical cream, ointment, lotion, aerosol sprays or gel to treat itching and other minor skin conditions such as eczema. **CAS** 5593-20-4.

Betamethasone-17-valerate

B-031 $\text{C}_{27}\text{H}_{37}\text{FO}_6$ 476.26

Topical and systemic corticosteroid of group C type with a C-16 methyl substitution. **CAS** 2152-44-5

BHT

D-006 $\text{C}_{15}\text{H}_{24}\text{O}$ 220.36

Used as an antioxidant in foods (beverages, gum, ice cream, fruits, cereals), cosmetics, topical medications, animal feeds, petroleum products, jet fuels, rubber, plastics, paints, glues. Also known as Butyl hydroxy toluene and 2,6-Di-tert-butyl-4-cresol. **Cross:** Lidocaine. **UCU.** **CAS** 128-37-0

Bioban CS 1135

D-015

Trade name of a product that consists of two components: 4,4-Dimethyl-oxazolidine and 3,4,4-Trimethyl-oxazolidine. See the respective component for further information. **CAS** 75673-43-7

Art. No.	Formula	FW
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Bioban P 1487

E-014

Trade name of a product that consists of two components: 4-(2-Nitrobutyl) morpholine and 4,4-(2-Ethyl-2-nitro-trimethylene) dimorpholine. See the respective name for further information.

Birch tar

Mx-14

Birch tar derived from the dry distillation of the bark of the birch tree. It is compounded of guaiacol, phenols, cresol, xylene and creosol. Used as a component in pharmaceutical preparations. Available as part of Mx-14.

BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENOL TRIAZINE

B-037 $\text{C}_{38}\text{H}_{49}\text{N}_3\text{O}_5$ 627.81

Used in sunscreens to absorb UV rays and is highly photostable. It is a broad spectrum UV absorber, absorbing UVB as well as UVA rays. Also known as Tinosorb S and Bis-Ethylhexyloxyphenol Methoxyphenol Triazine. **CAS** 187393-00-6

Bisphenol A dimethacrylate

M-007 $\text{C}_{23}\text{H}_{24}\text{O}_4$ 364.44

Methacrylic monomer based on bisphenol A. Used in dental restorative composite and adhesive materials. Also known as 2,2-bis(4-Methacryloxy)phenylpropane and BIS-MA. **CAS** 3253-39-2.

Bisphenol A glycerolate dimethacrylate

H-013 $\text{C}_{29}\text{H}_{36}\text{O}_8$ 512.61

Common methacrylic monomer in dental composite restorative materials and dental sealants. This monomer is also extensively used in industrial applications. Also known as 2,2-bis(4-(2-Hydroxy-3-methacryloxypropoxy)phenyl)propane and BIS-GMA. **CAS** 1565-94-2.

Art. No.	Formula	FW
Bisphenol A B-013	$C_{15}H_{16}O_2$	228.29

Comes from raw material in the production of epoxy and acrylic resins. Is a component in semisynthetic waxes. Also known as 4,4-Isopropylidene diphenol. **Cross:** **diethylstilbestrol, hydroquinonemonobenzyl ether. CAS 80-05-7.**

Art. No.	Formula	FW
BORNANEDIONE C-026	$C_{10}H_{14}O_2$	166.22

An initiator for visible light cured dental acrylic composite materials. Also known as Camphoroquinone and Camphorquinone. **CAS 10373-78-1**

Art. No.	Formula	FW
2-BROMO-2-NITROPROPANE-1,3-DIOL B-015	$C_3H_6BrNO_4$	199.99

Used a preservative in cooling fluids, hand & face creams, shampoos, hair dressings, mascaras, cleansing lotions, milk sampling, paints, textiles, humidifiers, pharmaceutical products, washing detergents (Bronopol). **CAS 52-51-7.**

Art. No.	Formula	FW
Budesonide B-033	$C_{25}H_{34}O_6$	430.55

A nonhalogenated corticosteroid for use in topical preparations and for the treatment of rhinitis and asthma. Belongs to the group B (triamcinolone acetonide) type of corticosteroids. Good marker of corticosteroid allergy. Also available as part of Mx-23. **Cross:** **Fluocinolone acetonide, Hydrocortisone, Hydrocortisone-17-butylate, Prednisolone Acetate, Tixocortol-21-Pivalate, Triamcinolone acetonide. CAS 51333-22-3**

Art. No.	Formula	FW
Bufexamac B-043	$C_{12}H_{17}NO_3$	223.27

Drug used as an anti-inflammatory agent on the skin, as well as rectally. Ointments and lotions containing bufexamac are used for the treatment of subacute and chronic eczema of the skin, including atopic eczema, as well as sunburn and other minor burns, and itching. Suppositories containing bufexamac in combination with local anaesthetics are used against haemorrhoids. **CAS 2438-72-4.**

Art. No.	Formula	FW
1,4-Butanediol diacrylate B-016	$C_{10}H_{14}O_4$	198.24

A cross-linking monomer for use in inks, adhesives, textile product modifiers, photo resists, etc. Also known as BUDA. **CAS 1070-70-8.**

Art. No.	Formula	FW
1,4-Butanediol dimethacrylate B-017	$C_{12}H_{18}O_4$	226.28

A cross-linking methacrylic monomer for use in dental composite materials, sealants, prostheses, etc. Also known as BUDMA. **CAS 2082-81-7.**

Art. No.	Formula	FW
Butyl acrylate B-018	$C_7H_{12}O_2$	128.17

A cross-linking acrylic monomer for use in textile and leather finishes, paint formulations, etc. Also known as BA. **CAS 141-32-2.**

Art. No.	Formula	FW
4-tert-Butylbenzoic acid B-019	$C_{11}H_{14}O_2$	178.24

Used as corrosion inhibitor in cooling fluids. **CAS 98-73-7.**

Art. No.	Formula	FW
4-tert-Butylcatechol B-030	$C_{10}H_{14}O_2$	166.22

An antioxidant found in polyester resins and as polymerization inhibitor in PVC. Also described as hapten in photocopying paper and as antioxidant in oil. Also known as PTBC. **May cause depigmentation. CAS 98-29-3.**

Art. No.	Formula	FW
t-BUTYL HYDROQUINONE B-028	$C_{10}H_{14}O_2$	166.22

Used as an antioxidant in cosmetic products like lipsticks. **CAS 1948-33-0.**

Art. No.	Formula	FW
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BUTYL METHACRYLATE

B-021	$C_8H_{14}O_2$	142.20
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A cross-linking methacrylic monomer for use in dental composite materials, artificial nails, etc. Also known as BMA. **CAS** 97-88-1.

BUTYL METHOXYDIBENZOYLMETHANE

B-029	$C_{20}H_{22}O_3$	310.20
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A UV-A-ray adsorbing agent in sunscreen cosmetics of the type creams, lotions, lipsticks, sun oils, etc. (Parsol 1789). Also known as tert-Butyl 4'-methoxydibenzoylmethane. **CAS** 70356-09-1.

2-tert-Butyl-4-methoxyphenol

B-022	$C_{11}H_{16}O_2$	180.25
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Used as an antioxidant in foods (beverages, gum, ice cream, fruits, cereals), cosmetics, topical medications, animal feeds, petroleum products, jet fuels, rubber, plastics, paints, glues. Also known as BHA. **May cause depigmentation. May cause airborne contact dermatitis.** UCU. **CAS** 121-00-6.

4-tert-Butylphenol

B-023	$C_{10}H_{14}O$	150.21
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An intermediate in the production of lacquer and varnish resins. Antioxidant in plastics, adhesives, etc. **May cause depigmentation.** **CAS** 98-54-4.

4-tert-Butylphenolformaldehyde resin

B-024

Resin used in adhesives for shoes and watch straps. Also found in do-it-yourself glues, plywood, insulation, automobiles, motor oils, inks, papers, film developers, disinfectants, deodorants. Also known as PTBP. **May cause depigmentation.**

Art. No.	Formula	FW
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BUTYLPHENYL METHYLPROPIONAL

B-040	$C_{14}H_{20}O$	204.30
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Common fragrance found in soaps, detergents, beauty care products and household products. It is also used as an intermediate for the synthesis of agrochemicals. Also known as Lilial and Lilialdehyde. **CAS** 80-54-6.

C

Cadmium chloride

C-001	$CdCl_2$	183.32
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This hapten is a marker for contact allergy to **cadmium**. Used in photography, the production of cadmium yellow. Works as fungicide and anticorrosive agent. Also used in pigments for glass, tattoos, and paints. **CAS** 10108-64-2.

CALCIUM TITANATE

C-049	CaO_3Ti	135.96
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This hapten is a marker for contact allergy to **titanium**. Used in a method of manufacturing a ceramic capacitor suitable for high energy density and high temperature application. Uses are for example, as an antenna material, a capacitor material, a layered circuit substrate material, a connector material, and the like which are required to be dielectric. **CAS** 12049-50-2.

Cananga oil

C-002

This substance is used as a fragrance in household products and cosmetic products like washing detergents, skin lotion and perfumes. The oil is steam distilled from the flowers of Cananga odorata macrophylla. The oil has a warm, sweet floral scent with a hint of tree and leather. Contains among other substances beta-Caryophyllene, Geranyl acetate, Benzyl benzoate, Linalool, Methyl benzoate, Benzyl salicylate, Farnesol, Geraniol, Eugenol and Citral. **Cross:** **benzyl salicylate. May cause pigmentation of the face.** **CAS** 68606-83-7.

Art. No.	Formula	FW
Captan C-025	<chem>C9H8Cl3NO2S</chem>	300.57

Used as a fungicide on vegetables, fruits, and different types of plants. Used as bacteriostat in soaps, shampoos, hair tonics, animalflea removers and tick sprays. Also known as N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide, Vancide, Dangard and Merpan. **May cause airborne contact dermatitis.** **CAS 133-06-2**

Art. No.	Formula	FW
Captopril C-045	<chem>C9H15NO3</chem>	217.28

Captopril is an angiotensin-converting enzyme inhibitor (ACE inhibitor) used for the treatment of hypertension and some types of congestive heart failure. Captopril's main uses are based on its vasodilatation and inhibition of some renal function activities. **CAS 62571-86-2.**

Art. No.	Formula	FW
Carbamazepine C-044	<chem>C15H12N2O</chem>	236.27

Carbamazepine is an anticonvulsant and mood stabilizing drug, used primarily in the treatment of epilepsy and bipolar disorder. It is also used to treat ADD, ADHD, schizophrenia and trigeminal neuralgia. Also known as CBZ and 5H-dibenz[b,f]azepine-5-carboxamide. **CAS 298-46-4.**

Art. No.	Formula	FW
CARMINE C-059		

Carmine is a natural bright red dye. It is used in cosmetics (makeup products, hair products and soaps), foods, drinks, drugs, paints and pigments. Carmine is derived from the *Dactylopius coccus* insect. **CAS 1390-65-4**

Art. No.	Formula	FW
CARVONE C-035	<chem>C10H14O</chem>	150.22

Found in several essential oils and is used for flavouring liqueurs, soaps, dental materials and perfumes. Also known as 2-Cyclohexen-1-one, 2-methyl-5-(1-methylethethyl)-, (5R)-(9Cl) and (R)- Carvone. **CAS 6485-40-1**

Art. No.	Formula	FW
Cefalexin C-048	<chem>C16H17N3O4S</chem>	347.39

First-generation cephalosporin antibiotic and it is an orally-administered agent with a similar antimicrobial spectrum to the intravenous agents cefalotin and cefazolin. It is used to treat urinary tract infections, respiratory tract infections (including sinusitis, otitis media, pharyngitis, tonsillitis and pneumonia), skin and soft tissue infections. Although it is not generally considered first-line therapy for any indication, it is a useful alternative to penicillins in patients with penicillin hypersensitivity. There is, however, cross-reactivity in 10% of patients with hypersensitivity to penicillins and carbapenems. **CAS 23325-78-2.**

Art. No.	Formula	FW
Cefixime trihydrate C-054	<chem>C16H15N5O7S2</chem>	507.50

This substance is a second-generation cephalosporin antibiotic. It is a broad spectrum cephalosporin antibiotic and is commonly used to treat bacterial infections of the ear, urinary tract and upper respiratory tract. **CAS 125110-14-7.**

Art. No.	Formula	FW
Cefotaxim sodium salt C-040	<chem>C16H16N5NaO7S2</chem>	477.04

A cephalosporin that belongs to a group of broad-spectrum antibiotic derived from species of fungi of the genus *Cephalosporium* and are related to the penicillins in both structure and mode of action but relatively penicillinase-resistant antibiotics. Third-generation cephalosporins are more active against gram-negative organisms but less active against gram-positive organisms than second-generation agents; examples are cefoperazone, cefotaxime, ceftriaxone, ceftazidime, ceftizoxime, and moxalactam. **CAS 64485-93-4**

Art. No.	Formula	FW
Cefpodoxime proxetil C-055	<chem>C21H27N5O9S2</chem>	557.60

This substance is an oral, third-generation cephalosporin antibiotic. It is active against most Gram-positive and Gram-negative organisms. It is commonly used to treat acute otitis media, pharyngitis, sinusitis, and gonorrhea. Veterinary uses is also found. **CAS 87239-81-4.**

Art. No.	Formula	FW
Cefradine C-047	$C_{16}H_{19}N_3O_4S$	349.40

Cefradine or cephadine is a first generation cephalosporin antibiotic. Effective against a wide range of gram-positive and a limited range of gram-negative bacteria.

Art. No.	Formula	FW
Cefuroxime sodium C-053	$C_{16}H_{15}N_4NaO_8S$	446.37

This substance is an enteral second-generation cephalosporin antibiotic. It is used to treat pneumonia and other lower respiratory tract (lung) infections; meningitis, gonorrhea, and skin, blood, bone, joint and urinary tract infections. Injections of the medicine may also be used before, during, and sometimes for a brief period after surgery. **CAS** 56238-63-2.

Art. No.	Formula	FW
CETYL ALCOHOL C-003	$C_{16}H_{34}O$	242.45

Used as emulsifier and emollient in cosmetics and pharmaceutical preparations. **UCU. CAS** 36653-82-4.

Art. No.	Formula	FW
CETEARYL ALCOHOL C-033		

A combination of cetyl (C16) and stearyl (C18) alcohols 50/50 used as emulsifier and emollient in cosmetic lotions, creams, ointments and pharmaceutical preparations. Also known as Lanette O. **UCU. CAS** 67762-27-0

Art. No.	Formula	FW
CETEARYL GLUCOSIDE C-056		

Used as an emulsifier in peg-free lotions and creams. Suitable for low viscosity lotions (sprays), lotions, creams and foams. **CAS** 246159-33-1

Art. No.	Formula	FW
CETRIMONIUM BROMIDE C-050	$C_{19}H_{42}BrN$	364.45

One of the components of the topical antiseptic cetrimide. The cetrimonium (or hexadecyltrimethylammonium) cation is an effective antiseptic agent against bacteria and fungi. It is a cationic surfactant. Its uses include providing a buffer solution for the extraction of DNA. It is also widely used in hair conditioning products. Also known as Cetrimide. **CAS** 57-09-0.

Art. No.	Formula	FW
Chamomilla recutita extract C-051		

Chamomilla Recutita; Matricaria recutita or German chamomile, also spelled camomile, is an annual plant of the composite family Asteraceae. Chamomilla chamomilla, Chamomilla recutita (accepted name according to the Flora Europaea), Matricaria chamomilla, and Matricaria suaveolens. It usually grows near populated areas all over Europe and temperate Asia. It is widely introduced in temperate North America and Australia. As the seeds need open soil to survive, it often grows near roads, around landfills and in cultivated fields as a weed. The raw material for this product is made from an ethanol extraction of the plant/flowers of Chamomilla Recutita. Also available as part of Mx-29A and Mx-29B.

Art. No.	Formula	FW
Chloramphenicol C-032	$C_{11}H_{12}Cl_2N_2O_5$	323.14

An antibiotic substance produced by *Streptomyces venezuelae*. Present in eye drops, ointments and for systemic use. Used as bactericide against the rot of potatoes and other root vegetables. **Cross:** Azidamfenicol. **ICU. CAS** 56-75-7.

Art. No.	Formula	FW
CHLORHEXIDINE DIGLUCONATE C-005	$C_{34}H_{54}Cl_2N_{10}O_{14}$	897.88

An antimicrobial agent used in cosmetic and pharmaceutical creams, surgical soaps, antacids solutions, toothpaste, mouthwash, hand and wound cleansers etc. **PA. ICU. CAS** 18472-51-0.

Art. No.	Formula	FW
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CHLOROACETAMIDE

C-006 C₂H₄CINO 93.51

A preservative in cosmetic and pharmaceutical creams, shampoos, bath lotions, etc. Also as preservative in glues and cooling fluids. Also known as 2-Chloroacetamide. **May cause airborne contact dermatitis.** **CAS 79-07-2.**

p-CHLORO-m-CRESOL

C-008 C₇H₇CIO 142.59

A fungicide found in creams, topical antiseptics, pharmaceutical products, protein shampoos, baby cosmetics, and cooling fluids. (PCMC). Also known as 4-Chloro-3-cresol. **Cross: 4-chloro-3-xylenol. ICU. CAS 59-50-7.**

CHLOROXYLENOL (PCMX)

C-010 C₈H₉CIO 156.61

A preservative found in cooling fluids, creams, topical and urinary antiseptics. Can also be found in pharmaceutical products, hair conditioners, toilet and deodorants, soaps, electrocardiogram paste, etc. Also known as 4-Chloro-3,5-xylenol. **Cross: 4-chloro-3-cresol. CAS 88-04-0.**

Chrysanthemum Cinerariaefolium extract

C-031

A compositae plant that grows on rocky ground in Europe, Australia, Japan and N.America. The raw material for this product is made from an ethanol extraction of the plant/flowers of Chrysanthemum Cinerariaefolium. Pyrethrum is the main source of the pyrethrum insecticide. Principal hapten is pyrethrosin. **ICU.**

Art. No.	Formula	FW
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CINNAMAL

C-014 C₉H₈O 132.16

A common ingredient in perfumes for household products like deodorizers, detergents, and soap. Flavor in toothpaste, sweets, ice cream, soft drinks, chewing gums, and cakes. Also present in Tolu balsam absolute and Peru balsam, hyacinth plant, spices, cinnamon, Ceylon and cassia oil. Also known as Cinnamic aldehyde. Also available as part of Mx-07. **Cross: CINNAMYL ALCOHOL, cinnamon oil. May cause depigmentation. PA. NICU. CAS 104-55-2.**

CINNAMYL ALCOHOL

C-013 C₉H₁₀O 134.18

A component found in perfumed cosmetic products and deodorants. Also known as Cinnamic alcohol. Also available as part of Mx-07. **Cross: Peru balsam, Propolis. May cause pigmentation of the face. CAS 104-54-1.**

Ciprofloxacin hydrochloride

C₁₇H₂₁CIFN₃O₄ 385.82

A quinolone, which is an antibiotic drug used mainly to treat the respiratory infections (pneumoniae, pseudomonas, influenzae), urinary tract infections, the gastrointestinal surgery, typhoid fever, gonorrhoea (enterotoxigenic strains of Escherichia coli), and septicaemia. Ciprofloxacin act by inhibiting the bacterial enzymes DNA gyrase. Other quinolones include cinoxacin; levofloxacin; nalidixic acid; norfloxacin; ofloxacin. **CAS 86393-32-0**

CITRAL

C-036 C₁₀H₁₆O 152.24

Fragrance for use in various perfumes. Examples of usage: in citrus notes and floral fragrance blends and as an intermediate to form other compounds. Also known as Geranal; Geranaldehyde; 3,7-Dimethyl-2,6-octadienal. Also available as part of Mx-25. **CAS 5392-40-5.**

Art. No.	Formula	FW
CITRONELLOL C-037	C ₁₀ H ₂₀ O	156.27

A fragrance used in various perfumed products. Citronella oil is a yellowish essential oil distilled from the leaves of either of two grasses, *Cymbopogon nardus* or *C. winterianus*. This aromatic oil is inexpensive, and widely used in cheap perfumes and as a fragrance in soaps. It is also best known as an insect repellent. Citronellol, derived from citronella oil, is a chief constituent of geranium oil, another is GERANIOL. Both are used in the production of perfumes. (smells sweet, rose, lilac, geranium). Also known as 3,7-dimethyl-6-Octen-1-ol. Also available as part of Mx-25. **CAS** 106-22-9.

Clarithromycin	C-041	C ₃₈ H ₆₉ NO ₁₃	747.96
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Clarithromycin, belonging to the macrolide group, has a close structural and biological similarity with erythromycin. It is effective against a broad spectrum of gram-positive and gram-negative bacteria. It is used to treat respiratory tract infections and soft tissue infections. It is used to treat duodenal ulcer associated with *Helicobacter pylori* infections in combination with omeprazole. Also known as 6-O-methylerythromycin. **CAS** 81103-11-9

Clindamycin phosphate	C-046	C ₁₈ H ₃₄ CIN ₂ O ₈ PS	504.96
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Clindamycin (phosphate) is a lincosamide antibiotic used in the treatment of infections caused by susceptible microorganisms. Such infections might include infections of the respiratory tract, septicemia and peritonitis. In patients with hypersensitivity to penicillins, clindamycin (phosphate) may be used to treat infections caused by susceptible aerobic bacteria as well. It is also used to treat bone infections caused by *Staphylococcus aureus*. Topical application of clindamycin phosphate can be used to treat moderate to severe acne. **CAS** 24729-96-2.

Clioquinol	C-015	C ₉ H ₅ ClINO	305.50
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An antiinfective and antiamoebic agent used in topical pharmaceutical preparations. Also known as 5-chloro-7-iodo-8-quinolinol, Chinoform and Vioform. Also available as part of Mx-02. **May cause brown discoloration of the nails and erythema multiforme like eruptions. UCU. CAS** 130-26-7.

Art. No.	Formula	FW
Clobetasol-17-propionate C-028	C ₂₅ H ₃₂ CIFO ₅	466.73

A topical corticosteroid belonging to the group D (Hydrocortisone-17-butyrate) type of steroids. **Cross:** *Alclometasone dipropionate, Betamethasone-17 Valerate, Clobetasol-17-propionate, Desoximetasone, Dexamethasone-21-Phosphate. UCU.* **CAS** 25122-46-7.

Coal tar	C-016
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A by-product in the distillation of coal. Topical antieczematic agent. **PA. PT. PL. May cause postinflammatory hyperpigmentation. CAS** 8007-45-2.

Cobalt(II)chloride hexahydrate	C-017	CoCl ₂ 6H ₂ O	237.93
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This hapten is a marker for contact allergy to **cobalt**. A component used in coloring of glass and porcelain. Works as a siccative in paints. Used in various alloys (dental, etc.). **May produce erythema multiforme like eruptions. May cause airborne contact dermatitis. NICU. CAS** 7791-13-1.

COCAMIDE DEA	C-019
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Mixture of ethanolamides of coconut acid. Found in bath, shower and body cosmetics and in cooling fluids. Also known as Coconut diethanolamide. **CAS** 68603-42-9.

COCAMIDOPROPYL BETAINE	C-018	C ₄ H ₈ NO
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A surfactant found in liquid soaps, shampoos, hair colorants, shower & bath formulations. Also known as Tegobetaine. **Cross:** *cocobetaine. CAS* 61789-40-0

Art. No.	Formula	FW
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COLOPHONIUM

C-020

A yellow resin used in the production of varnishes, printing inks, paper, soldering fluxes, cutting fluids, glue tackifiers, adhesives, surface coatings, polish, waxes, cosmetics (mascara, rouge, eye shadow), topical medicaments, violin bow rosin, athletic grip aid, pine oil cleansers. Component in dental impression materials and periodontal packings. (rosin). Also known as Colophony

Cross: Peru balsam, dihydroabietyl alcohol. wood tars. May cause airborne contact dermatitis. **ICU.** **CAS** 8050-09-7.

Copper(I)oxide

C-021 Cu₂O 143.08

This hapten is a marker for contact allergy to **copper**. Used as fungicide and as pigment to make glass red. Found in antifouling paints Also known as Cuprous oxide. **CAS** 1317-39-1

Copper(II)sulfate pentahydrate

C-022 CuSO₄ · 5H₂O 249.68

This hapten is a marker for contact allergy to **copper**. Works as a fungicide. Used as pigment in paints and reagent toner in photography. Copper metal is used in, e.g., dental alloys. Also known as Cupric sulfate. **ICU.** **CAS** 7758-99-8.

Costunolide

Mx-18

Sesquiterpene lactone isolated from the Compositae plant Saussurea lappa. The oil which is extracted from Saussurea lappa is used in perfumery and in the Orient for all kinds of diseases. Costunolide is present in the plant together with dehydrocostus lactone. May cause airborne contact dermatitis. Only available in mix (Mx-18). **CAS** 553-21-9.

Art. No.	Formula	FW
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Cotrimoxazole

C-042 C₁₄H₁₈N₄O₃ · C₁₀H₁₁N₃O₃S 543.19

Cotrimoxazole is an antibiotic combination of trimethoprim and sulfamethoxazole, in the ratio of 1 to 5, used in the treatment of a variety of bacterial infections. The name cotrimoxazole is the British Approved Name, and has been marketed worldwide under many trade names. Other sources list this antibiotic as bacteriostatic. **CAS** 8064-90-2

COUMARIN

C-038 C₉H₆O₂ 146.15

A fragrance used in various perfumed products. Coumarin (anhydride of o-coumaric acid) is white, crystalline lactone, obtainable naturally from several plants, such as tonka bean, lavender, sweet clover grass, strawberries, and cinnamon, or produced synthetically from an amino acid, phenylalanine. Coumarin has the characteristic odour like that of vanilla beans. It is used for the preparation of perfumes, soaps, flavourings. Also known as 2H-1-Benzopyran-2-one. Also available as part of Mx-25. **CAS** 91-64-5.

N-Cyclohexyl-2-benzothiazolylsulfenamide

C-023 C₁₃H₁₆N₂S₂ 264.41

An accelerator in natural and styrene-butadienethiazyl sulfenamide rubber Also known as CBS. Also available as part of Mx-05A, Mx-05B. **CAS** 95-33-0

N-Cyclohexyl-N-phenyl-4-phenylenediamine

C-024 C₁₈H₂₂N₂ 266.42

Used as antidegradant in natural rubber, styrene-butadiene and chloroprene rubber. Also known as CPPD. Also available as part of Mx-04. **CAS** 101-87-1.

N-(Cyclohexylthio) phthalimide

C-034 C₁₄H₁₅NO₂S 261.34

A vulcanization retarder widely used in various rubber products. Brand name include Santogard PVI. **CAS** 17796-82-6.

Art. No.	Formula	FW
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CYSTEAMINE HCL

C-052 C₂H₇NS·HCl 113.61

This substance is used in hair dye products. **CAS** 156-57-0

D

DECYL GLUCOSIDE

D-065 C₁₆H₃₂O₆ 320.43

Decyl glucoside is a mild non-ionic surfactant used in cosmetic formulations including baby shampoo and in products for individuals with a sensitive skin. Many natural personal care companies use this cleanser because it is plant-derived, biodegradable, and gentle for all hair types. **Cross:** Variety of Alkyl polyglucosides, for example Octyldodecyl xyloside, Cetearyl Glucoside and Lauryl Glucoside. **CAS** 54549-25-6

Dehydrocostus lactone

Mx-18

Sesquiterpene lactone isolated from the Compositae plant Saussurea lappa. The oil which is extracted from Saussurea lappa is used in perfumery and in the Orient for all kinds of diseases. Dehydrocostus lactone is present in the plant together with costunolide. **May cause airborne contact dermatitis.** (Only available in mix). **CAS** 477-43-0.

Desoximetasone

D-057 C₂₂H₂₉FO₄ 376.46

Like other topical corticosteroids, desoximetasone has anti-inflammatory, antipruritic, and vasoconstrictive properties. Once absorbed through the skin, topical corticosteroids are handled through pharmacokinetic pathways similar to systemically administered corticosteroids. **Cross:** Alclometasone dipropionate, **Betamethasone-17 Valerate, Clobetasol-17-propionate, Dexamethasone-21-Phosphate.** **CAS** 382-67-2

Art. No.	Formula	FW
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Dexamethasone-21-phosphate disodium salt

D-046 C₂₂H₂₈FN₂O₈P 516.40

Corticosteroid of the group C (betamethasone) type. Used in eye and ear preparations and in systemic preparations. **CAS** 2392-39-4.

Diallyl disulfide

D-048 C₆H₁₀S₂ 146.28

One of the three principal low molecular weight haptens of garlic. Allylpropyl disulfide and allicin are the other haptens in garlic. **CAS** 2179-57-9.

4,4'-Diaminodiphenylmethane (MDA)

D-001 C₁₃H₁₄N₂ 198.27

A curing agent for epoxy resins and urethane elastomers. Used as corrosion inhibitor and rubber additive (accelerator, antidegradant, retarder) in tires and heavy rubber products. Also used in adhesives and glues, laminates, paints and inks, PVC products, handbags, eyeglass frames, plastic jewelry, electric encapsulators, surface coatings, spandex clothing, hairnets, eyelash curlers, earphones, balls, shoe soles, face masks. **Crossreacts with other p-amino substituted benzene compounds such as benzocaine and PABA. May produce erythema multiforme like eruptions.** **CAS** 101-77-9.

DIAZOLIDINYLMUREA

D-044 C₈H₁₄N₄O₇ 278.22

A preservative used in cosmetic creams, lotions, shampoos, hair gels, etc. (Germall II). Also known as 2,5-Diazolidinylurea. **Cross:** **IMIDAZOLIDINYLMUREA, FORMALDEHYDE.** **CAS** 78491-02-8.

Dibenzothiaazyldisulfide (MBTS)

D-003 C₁₄H₈N₂S₄ 332.50

An accelerator for natural rubber, nitrile-butadiene, butyl and styrene-butadiene rubber. Also used as retarder for chloroprene rubber. Also available as part of Mx-05A, Mx-05B. **CAS** 120-78-5.

Art. No.	Formula	FW
Dibucaine hydrochloride	$C_{20}H_{30}ClN_3O_2$	379.92

Used as local anesthetic agent. Also known as Cinchocaine HCl, Nupercaine HCl, Percaine and Cincaine. Also available as part of Mx-13 and Mx-19. **Cross: Lidocaine. PA. CAS 61-12-1.**

Dibutyl phthalate

D-007 C₁₆H₂₂O₄ 278.35

Used as emollient in aerosol antiperspirants, insect repeller and as plasticizer in various plastic materials. **CAS** 84-74-2.

N,N'-Dibutylthiourea

D-038 (C₄H₉NH)₂CS 188.33

An accelerator for mercaptan-modified chloroprene rubber. Used as activator for ethylene-propylene-diene terpolymers and natural rubber. An antidegradant for natural rubber-latex and thermoplastic styrene-butadiene rubber. Also available as part of Mx-24. **CAS 109-46-6**

DICHLOROPHENE

D-008 C₁₂H₁₀Cl₂O₂ 269.13

Used as bactericide, fungicide, and algicide in soaps, cosmetics, shampoos, dentifrices, toothpaste, mouthwashes, deodorants, foot powders, papers, adhesives and bandages, and cooling fluids.

Diclofenac sodium salt

D-061 C₁₄H₁₀Cl₂NNaO₂ 318.13

Diclofenac (marketed as Voltaren, Voltarol, Diclon, Dicloflex Difen, Difene, Cataflam, Pennsaid, Rhumalgan, Modifenac, Abitren, Arthrotec and Zolterol, with various drug dose combinations) is an NSAID taken to reduce inflammation and an analgesic reducing pain in conditions such as in arthritis or acute injury. It can also be used to reduce dysmenorrhea. The name is derived from its chemical name: 2-(2,6-dichloranilino) phenylacetic acid. **CAS 15307-79-6.**

Art. No.	Formula	FW
Dicloxacillin sodium salt hydrate		
D-058	$C_{19}H_{16}Cl_2N_3$ $NaO_5S\overset{\overset{H}{ }}{H_2}O$	510.32

Dicloxacillin is a narrow spectrum β -lactam antibiotic of the penicillin class. It is used to treat infections caused by susceptible Gram-positive bacteria. Notably, it is active against β -lactamase-producing organisms such as *Staphylococcus aureus*, which would otherwise be resistant to most penicillins. It is very similar to flucloxacillin and these two agents are considered interchangeable. Dicloxacillin is available under a variety of trade names. **CAS** 13412-64-1.

2-(4-Diethylamino-2-hydroxy-benzoyl)-benzoic acid hexylester

D-062 C₂₄H₃₁NO₄ 366.24

The UV-A sun filter 2-(4-Diethylamino-2-hydroxybenzoyl)-benzoic acid hexylester provides efficient protection in the long-wave UVA-I range with an absorption spectrum of up to 400 nm it provides high absorption specifically in the deep-acting wavelengths. Uvinul A+. Diethylamino Hydroxybenzoyl Hexyl Benzoate. **CAS** 302776-68-7.

Di(ethylene glycol) diacrylate

D-009 C₁₀H₁₄O₅ 214.21

A cross-linking acrylate monomer for use in coatings, adhesives, and printing plates of prepolymer type. Also known as DEGDA.
CAS 4074-88-8.

Diethylenetriamine

D-010 $\text{C}_4\text{H}_{13}\text{N}_3$ 103.17

Used as hardener for epoxy resins. Also known as DETA. **Cross: ethylenediamine dihydrochloride. CAS 111-40-0.**

Art. No.	Formula	FW
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DIETHYLHEXYL BUTAMIDO TRIAZONE

D-063	$C_{44}H_{59}N_7O_5$	765.50
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A sun filter for use in sunscreen products. Also known as Diethyl butamido triazone and Uvasorb HEB. **CAS** 154702-15-5.

N,N'-Diethylthiourea

D-039	$(C_2H_5NH)_2CS$	132.25
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An accelerator for mercaptanmodified chloroprene rubber. Used as antidegradant for natural, nitrile-butadiene, styrene-butadiene, and chloroprene rubbers. Also available as part of Mx-24. **CAS** 105-55-5.

Diltiazem hydrochloride

D-060	$C_{22}H_{26}N_2O_4S\text{HCl}$	450.98
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Diltiazem HCl is a member of the group of drugs known as benzothiazepines, which are a class of calcium channel blockers, used in the treatment of hypertension, angina pectoris, and some types of arrhythmia. It is a class 3 anti-anginal drug, and a class IV antidysrhythmic. It incites very minimal reflex sympathetic changes. **CAS** 33286-22-5.

DIMETHYLAMINOETHYL METHACRYLATE

D-045	$C_8H_{15}NO_2$	157.21
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Used as amine activator in visible light-cured dental acrylic composite materials. Also known as N,N-Dimethylaminoethyl methacrylate. **CAS** 2867-47-2.

3-(Dimethylamino)-1-propylamine

D-053	$C_5H_{14}N_2$	102.18
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This is an intermediate substance in the synthesis of alkylamidopropyldimethylamines/alkylamidobetaines and found as an impurity in cosmetic surfactants present in e.g. shampoos. 3-(Dimethylamino)propylamine is also used as a hardener of epoxy resins, as an additive in fuel, dyes, pesticides and binding agents. It is also used in the production of ion-exchangers. Also known as DMPA. **CAS** 109-55-7.

Art. No.	Formula	FW
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Dimethyl dihydroxy ethylene urea

D-052

A non-Formaldehyde type of textile resin for "wash and wear" colored and white fabrics and shirtings, draperies and sheeting. Chlorine resistant. (Fixapret NF).

Dimethyl fumarate

D-066	$C_6H_8O_4$	144.12
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This compound is used as an antifungal substance in products such as sofas, helmets, clothes etc. It is packed normally in pads where the substance sublimates and might penetrate leather etc. **CAS** 624-49-7

Dimethylol dihydroxy ethylene urea

Deleted	$C_5H_{10}N_2O_5$	178.14
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A formaldehyde type of textile resin (Fixapret CPN, 74% active component).

Dimethylol dihydroxy ethylene urea, modified

D-050

A low-Formaldehyde type of textile resin for "wash and wear" colored and white fabrics and shirtings, Viscose and mixtures with synthetic materials. (Fixapret ECO).

4,4-Dimethyl-oxazolidine

Comp. in D-015	$C_5H_{11}NO$	101.15
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Used as a preservative for latex paints, emulsions and for cooling fluids (component in Bioban CS 1135 by 74.7%). D-015: **Bioban CS 1135** also contains 3,4,4-Trimethyloxazolidine. Neither of the substances can be ordered separately. Also known as DIMETHYL OXAZOLIDINE. **CAS** 51200-87-4.

N,N-Dimethyl-4-toluidine

D-016	$C_9H_{13}N$	135.21
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An amine accelerator for the polymerization of e.g. dental methacrylic restorative materials. **CAS** 99-97-8.

Art. No.	Formula	FW
N,N-Di-2-naphthyl-4-phenylenediamine		
D-017	C ₂₆ H ₂₀ N ₂	360.46
An antidegradant for latex, nitrile rubber, styrene-butadiene, and nitrile-butadiene rubber Also known as DBNPD. CAS 93-46-9.		
Diethyl phthalate		
D-018	C ₂₄ H ₃₈ O ₄	390.57
Used as plasticizer in various plastic materials. Also known as Diethylhexyl phthalate, DEHP and DOP. CAS 117-81-7.		
Dipentamethylenethiuram disulfide		
D-019	(C ₅ H ₁₀ NCS ₂) ₂	320.60
Used as accelerator and vulcanizing agent for latex (gloves) and butyl rubber. Also known as PTD. Also available as part of Mx-01. CAS 94-37-1.		
Diphenhydramine hydrochloride		
D-021	C ₁₇ H ₂₂ CINO	291.82
An antihistaminic drug, which blocks the effect of histamine at H1 receptor sites, which results in an increase in vascular smooth muscle contraction. It has also been shown to have inhibitive tumor promotion properties. PA . CAS 147-24-0.		
1,3-Diphenylguanidine		
D-022	C ₁₃ H ₁₃ N ₃	211.27
A medium accelerator for use with thiiazoles and sulfenamides in various rubber products. Also available as part of Mx-06. CAS 102-06-7.		
Diphenylmethane-4,4'-diisocyanate		
D-023	C ₁₅ H ₁₀ N ₂ O ₂	250.26
A diisocyanate in the production of polyurethane lacquers, foam plastics, rubber, and glues. Also known as MDI. CAS 101-68-8.		

Art. No.	Formula	FW
N,N'-Diphenyl-p-phenylenediamine		
D-024	C ₁₈ H ₁₆ N ₂	260.34
Used as antidegradant for nitrile-butadiene rubber, natural, styrene-butadiene, isoprene, butadiene, and chloroprene rubbers. Also known as DPPD. Also available as part of Mx-04. CAS 74-31-7.		
N,N'-Diphenylthiourea		
D-025	C ₁₃ H ₁₂ N ₂ S	228.32
An accelerator and activator for neoprene rubber and ethylene-propylene-diene terpolymers used for rubber products such as wet suits, goggles, knee brace and gloves. In sulfur dyes and as heat stabilizer in PVC adhesive tape backing. Also known as Thiocarbanilide and DPTU. CAS 102-08-9.		
Direct Orange 34		
D-051		
An azo dye (stilbene) belonging to the direct dye class for coloring cellulosic textiles.		
Disodium phenyl dibenzimidazole tetrasulfonate		
D-064	C ₂₀ H ₁₂ N ₄ Na ₂ O ₁₂ S ₄	674.59
A sun filter used in sunscreen products. Also known as: Neo Heliolan AP, Bisimidazylate and 2,2'-(1,4-Phenylene)bis-(1-H-benzimidazole-4,6-disulfonic acid, monosodium salt). CAS 180898-37-7.		
DISPERSE BLUE 3		
D-026	C ₁₇ H ₁₆ N ₂ O ₃	296.33
A textile dye of antraquinone type. Used as dye for nylon, acrylic, polyester and acetate. Also used as stocking dye. CAS 2475-46-9.		
Disperse Blue 35		
D-027		362.34
Textile dye of antraquinone type. Dye in nylon, acrylic, polyester, and acetate. Also available as part of Mx-32. PT . CAS 12222-75-2.		

Art. No.	Formula	FW
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Disperse Blue 85

D-028

A textile dye of azo type.

Disperse Blue 106

D-040

A monoazo dye used for secondary cellulose fabrics (polyester blouses, garment linings, etc.) Also available as part of Mx-26 and Mx-32. **CAS** 68516-81-4.

Disperse Blue 124

D-041 $C_{15}H_{21}N_5O_4S$ 367.47

Am azo dye used for secondary cellulose acetate fabrics (stockings, garment linings, etc.). Also available as part of Mx-26 and Mx-32. **CAS** 61951-51-7.

Disperse Brown 1

D-030 $C_{16}H_{15}Cl_3N_4O_4$ 433.68

A textile dye of azo type.

Disperse Orange 1

D-031 $C_{18}H_{14}N_4O_2$ 318.34

A textile dye of azo type. Dye in terylene. Also available as part of Mx-32. **CAS** 2581-69-3.

DISPERSE ORANGE 3

D-032 $C_{12}H_{10}N_4O_2$ 242.24

A textile dye of azo type. **CAS** 730-40-5.

Disperse Red 1

D-034 $C_{16}H_{18}N_4O_3$ 314.35

A textile dye of azo type. Used to dye nylon and polyester. Also used as stocking dye. Also available as part of Mx-32. **CAS** 2872-52-8.

DISPERSE RED 17

Art. No.	Formula	FW
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D-035 $C_{17}H_{20}N_4O_4$ 344.37

A textile dye of azo type. Used to dye acetate, silk, wool, and cotton. Also used as stocking dye. Also available as part of Mx-32. **CAS** 3179-89-3.

Disperse Yellow 3

D-036 $C_{15}H_{15}N_3O_2$ 269.31

A textile dye of azo type. Used to dye acetate and nylon. Also used as stocking dye. Also available as part of Mx-32. **CAS** 2832-40-8.

Disperse Yellow 9

D-037 $C_{12}H_{10}N_4O_4$ 274.24

A textile dye of nitro type. Used to dye in terylene. **CAS** 6373-73-5.

4,4'-Dithiodimorpholine

D-054 $C_8H_{16}N_2O_2S_2$ 236.35

A vulcanizing agent and promoter of natural and synthetic rubber, it can release the sulphur in the vulcanizing temperature. It can be used in the butyl rubber to produce tyre, butyl inner tube of tire, rubber belt and anti-heat rubber products, it also can be used as pitch stabilizer in the expressway. Also known as DTDM. **CAS** 103-34-4.

DMDM HYDANTOIN

D-047 $C_7H_{12}N_2O_4$ 188.07

Functions as a formaldehyde donor and is used as a preservative in cosmetic products and is active against fungi, yeasts, and bacteria. Products preserved are of the type shampoos, skin-care products, hair conditioners, makeup, hair rinses, and cleanliness products. Also used in herbicides, polymers, color photography, latex paints, floor waxes, cutting oils, adhesives, copying paper, inks.

Art. No.	Formula	FW
DODECYL GALLATE		
D-042	C ₁₉ H ₃₀ O ₅	338.45

An antioxidant in cosmetic and pharmaceutical creams and emulsions, various fats, oils, waxes, and foods such as margarine. Also known as Lauryl gallate. Also available as part of Mx-28B. **CAS** 1166-52-5.

Art. No.	Formula	FW
D-043	C ₁₂ H ₂₆ S	202.41

A polymerization inhibitor added to polyurethane resins and Neoprene glues for use, e.g., in the shoe industry. **CAS** 112-55-0.

Art. No.	Formula	FW
D-059	C ₂₂ H ₂₄ N ₂ O ₈ H ₂ O	462.45

A semisynthetic broad-spectrum antibiotic or antibacterial which belongs to the tetracycline family. It is used to treat urinary tract infections, gum disease, and bacterial infections such as gonorrhea, chlamydia and *Bacillus anthracis*. It is also used to treat acne. **CAS** 17086-28-1.

Art. No.	Formula	FW
H-016	C ₁₃ H ₁₁ N ₃ O	225.25

An UV-adsorber used in plastics, cosmetics, dental materials, acrylic materials, dyes, etc. Also known as 2-(2-Hydroxy-5-methylphenyl) benzotriazol, Tinuvin P. **CAS** 2440-22-4.

Art. No.	Formula	FW
D-055	C ₂₄ H ₃₉ N ₃ O ₃ Si ₃	501.84

An UV-B adsorbing agent in sunscreen cosmetics of the type creams, lotions, lipsticks, sun oils, etc. Trade name is Silatrizole & Mexoryl XL. Also known as 2-(2H-Benzotriazole-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3'-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl] propyl]phenol. **CAS** 155633-54-8.

Art. No.	Formula	FW
E		
E-021	C ₁₈ H ₁₆ Cl ₃ N ₃ O ₄	444.69

An antifungal agent of the imidazole type used in topical and vaginal preparations to prevent growth of dermatophytes, yeast, and mold. **Cross:** miconazole, nilconazole. **May produce erythema multiforme like eruptions.** **CAS** 24169-02-6.

Art. No.	Formula	FW
E-002		

A resin, based on epichlorhydrin and bisphenol A, used in adhesives, surface coatings, electrical insulation, plasticizers, polymer stabilizers, laminates, surface coatings, paints and inks, product finishers, PVC products, vinyl gloves, etc. Also found in the building industry, electron microscopy, and sculptures. Oligomers may vary in molecular weight from 340 and higher. The higher the molecular weight, the less sensitizing the compound. **May produce erythema multiforme like eruptions. May cause airborne contact dermatitis. UCU.**

Art. No.	Formula	FW
B-035		

A resin, based on Epichlorhydrin and Bisphenol F, used in adhesives, casting and tooling, epoxy coatings, coil coatings, marine and protective coatings, potting and encapsulation. Typical uses include compositions for the building and civil engineering industries, e.g. flooring compounds, adhesives, mortars and grouts. Often used in combination with Bisphenol A liquid epoxy resin. Also known as EPIKOTE Resin 862. **CAS** 28064-14-4.

Art. No.	Formula	FW
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Erythromycin base

E-024 C₃₇H₆₇NO₁₃ 733.94

A macrolide antibiotic that has an antimicrobial spectrum similar to or slightly wider than that of penicillin, and is often used for people that have an allergy to penicillins. For respiratory tract infections, it has better coverage of atypical organisms, including mycoplasma and Legionellosis. It is also used to treat outbreaks of chlamydia, syphilis, acne, and gonorrhea. Erythromycin is produced from a strain of the actinomycete *Saccharopolyspora erythraea*, formerly known as *Streptomyces erythraeus*. **CAS** 114-07-8.

Etofenamate

E-025 C₁₈H₁₈F₃NO₄ 369.33

A NASID used for the treatment of joint and muscular pain. It acts by inhibiting the body's production of prostaglandin. **CAS** 30544-47-9.

7-ETHYLBICYCLOOXAZOLIDINE

A-017 C₇H₁₃NO₂ 143.18

A preservative in cooling fluids. Trade name, Bioban CS 1246. **CAS** 7747-35-5.

Ethyl acrylate

E-004 C₅H₈O₂ 100.12

An acrylic monomer used in the production of textile and paper coatings, leather finish resins, and adhesives. Also known as EA. **CAS** 140-88-5.

ETHYL CYANOACRYLATE

E-023 C₆H₇NO₂ 125.10

A acrylate compound used in instant glues to mend broken nails and to adhere glue-impregnated silk or linen to the nail plate, which is then filed to shape the nail. Instant glues are also used in medicine to glue tissues and skin cracks. The glue is also used to attach hair and to glue shoes, plastics, and many other materials. Also known as Rite-Lok, Super Glue, Krazy Glue. **May cause airborne contact dermatitis.** **CAS** 7085-85-0.

Art. No.	Formula	FW
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Ethylenediamine dihydrochloride

E-005 C₂H₁₀Cl₂N₂ 133.02

A stabilizer in steroid creams and rubber latex. Used as inhibitor in antifreeze solutions and cooling fluids and an epoxy curing agent. May also be present in floor-polish removers. Found as component in nystatin cream and aminophylline. Used as accelerator in color development baths in photography. Used also in veterinary preparations, electroplating and electrophoretic gels, dyes, fungicides, insecticides, synthetic waxes, textile lubricants, eye and nose drops, and as solvent for casein, albumin, shellac. Also known as EDA. **Cross:** **EDTA, antazoline, aminophylline, promethazine HCl, piperazine. May produce erythema multiforme like eruptions. UCU.** **CAS** 333-18-6

Ethylenediamine tetraacetic acid disodiumsalt dihydrate

E-006 C₁₀H₁₄N₂ Na₂O₈2H₂O 372.24

Used as a chelating agent for metals and as pharmaceutic aid (chelating agent). Also used as preservative in cosmetic products and anticoagulant. **CAS** 6381-92-6.

Ethylene glycol dimethacrylate

E-007 C₁₀H₁₄O₄ 198.22

A cross-linking methacrylic monomer in dental composites, sealants, prostheses, adhesives, artificial nails, printing inks, etc. Also known as EGDMA. **May cause airborne contact dermatitis.** **CAS** 97-90-5.

ETHYLHEXYL DIMETHYL PABA

E-018 C₁₇H₂₇NO₂ 277.41

An UV-B absorbing agent in sunscreens and cosmetic creams, lotions, lipsticks, sun oils, moisturizers, nail polish, etc. Also known as Eusolex 6007, Escalol 507, Octyldimethyl-PABA and 2-Ethylhexyl-4-dimethylaminobenzoate. **CAS** 21245-02-3.

Art. No.	Formula	FW
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ETHYLHEXYL METHOXYCINNAMATE

E-019 $C_{18}H_{26}O_3$ 290.18

An UV-B absorbing agent in sunscreens and cosmetic creams, lotions, lipsticks, sun oils, etc. Also known as Parsol MCX and Escalol 557. **CAS** 5466-77-3.

ETHYLHEXYL SALICYLATE

O-007 $C_{15}H_{22}O_3$ 250.34

An UV-B adsorbing agent in sunscreen cosmetics of the type creams, lotions, lipsticks, sun oils, etc. Also known as Octyl salicylate, 2-Ethylhexyl salicylate and trade name is Escalol 587. **CAS** 118-60-5.

ETHYLHEXYL TRIAZONE

O-010

An UV-B adsorbing agent in sunscreen cosmetics of the type creams, lotions, lipsticks, sun oils, etc. Also known as 2,4,6-trianilino-p-(carbo-2-ethylhexyl-1-oxi)-1,3,5-triazine. Trade name is Uv vinyl T 150. **CAS** 88122-99-0.

ETHYLHEXYLGLYCERIN

E-027 $C_{11}H_{24}O_3$ 204.3

This substance is a topical skincare ingredient and deodorizing agent, often indicated as a conditioning ointment in the treatment of eczema. It can serve as a surfactant and preservative-enhancer and can be found as a substituent for parabens. The chemical is a synthetic compound derived from vegetable glycerin. **CAS** 70445-33-9.

ETHYLPARABEN

Deleted $C_9H_{10}O_3$ 166.17

A preservative used in foods (salad dressings, mayonnaise, spiced sauces, mustard, frozen dairy products, baked products), cosmetics, and pharmaceutical preparations. Also known as Ethyl-4-hydroxybenzoate. Also available as part of Mx-03A, Mx-03C. **CAS** 120-47-8.

Art. No.	Formula	FW
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ETHYL METHACRYLATE

E-012 $C_6H_{10}O_2$ 114.15

A methacrylic monomer for use in, e.g., artificial nail products, dentures, hearing aids, printing plates, and bone cement. Also known as Ethyl methacrylate and EMA. **CAS** 97-63-2.

4,4-(2-Ethyl-2-nitro-trimethylene)dimorpholine

Comp. in E-014 $C_{13}H_{25}N_3O_4$ 287.36

A preservative used in cooling fluids, crude oil, diesel fuel, heating oil, etc. 4,4-(2-Ethyl-2-nitro-trimethylene)dimorpholine is present in Bioban P 1487 (trade name) by 20 %. Bioban P 1487 also contains 4-(2-Nitrobutyl) morpholine. Neither of the substances can be ordered separately. **CAS** 37304-88-4.

N-Ethyl-p-toluenesulfonamide

E-015 $C_9H_{13}NO_2S$ 199.27

A resin carrier found in dental materials used for isolating cavities below restorations. Plasticizer in PVA lacquers, polyamides, cellulose acetate etc. **CAS** 80-39-7.

EUGENOL

E-016 $C_{10}H_{12}O_2$ 164.21

Used as fragrance in perfumery as substitute for oil of Cloves. Dental analgesic in impression materials and periodontal packings. Used in the production of Vanillin. Also used as insect attractant. Also available as part of Mx-07. **May elicit contact urticaria. Cross:** Peru balsam, isoeugenol, benzoin, propanidid. **CAS** 97-53-0.

Evernic acid

E-017 $C_{17}H_{16}O_7$ 332.32

An acid present in different lichens. One of the three most common lichen haptens. Also available as part of Mx-15. **Cross:** oak moss. PA. **CAS** 537-09-7.

Art. No. Formula FW

F

FARNESOL

F-004 C₁₅H₂₆O 222.37

A fragrance used in various perfumed products. FARNESOL is a nature identical ingredient originally found in orange blossoms, rose, jasmin or linden flowers. It inhibits the bacterial activity responsible for unpleasant odors, acne and the athlete's foot, while at the same time not affecting the natural skin flora. Also used as a pesticide. Also known as 3,7,11-trimethyl-2,6,10-dodecatrien-1-ol. Also available as part of Mx-25. **CAS 4602-84-0**.

FERRIC CHLORIDE

I-016 Cl₃Fe 162.2

This hapten is a marker for contact allergy to **iron**. Also generally known as Iron(III)chloride, is an industrial scale commodity chemical compound. In industrial application used in sewage treatment and drinking water production. It is necessary for the etching of photogravure plates for printing photographic and fine art images in intaglio and for etching rotogravure cylinders used in the printing industry. Also used in veterinary practice. **CAS 7705-08-0**.

FORMALDEHYDE

F-002 CH₂O 30.03

Used in the production of urea, phenolic melamine and acetale resins. Found in textile products. Used as astringent, disinfectant, preservative in cosmetics, metalworking fluids, shampoos, etc. Other exposure areas include antiperspirant in cosmetics, anticracking agent in dental plastics, anhidrotics, chipboard production, cleaning products, disinfectants and deodorizers, dry-cleaning materials, glues, mineral wool production, paints and coatings, paper industry, phenolic resins and urea plastics in adhesives and footwear, photographic paper and solutions, polishes, printing materials, tanning agents, wart remedies, embalming solutions, fertilizers, wood composites, insulation. Formaldehyde releasers: Bakzid P, Biocide DS 5249, Bronopol, Dantoin MDMH, DMDM HYDANTOIN, Dowicil 200, Germall 115, Germall II, Grotan BK, Hexamethylenetetramine, KM 103, Paraformaldehyde, Parmetol K50, Polyoxymethylene urea,

Art. No. Formula FW

Preventol D1, -D2, -D3. **Cross:** aryl-sulfonamide resin, chloroallyl-hexaminium chloride. May produce erythema multiforme like eruptions. **PA. PT.** May cause airborne contact dermatitis. **NICU.** **CAS 50-00-0.**

Framycetin sulphate

F-005 C₂₃H₄₆N₆O₁₃H₂SO₄ 712.72

A broad spectrum aminoglycoside antibiotic, is usually bactericidal in action. For local use in the treatment of infections caused by pyogenic organisms, in particular *S. aureus*, the *proteus* group of bacteria, coliforms and *P. aeruginosa*. Cross sensitization may occur among the group of *Streptomyces* derived antibiotics (neomycin, paromomycin, kanamycin) of which framycetin is a member, but this is not invariable. Also known as Neomycin B, Framycetin, Soframycin. **ICU. CAS 4146-30-9.**

Fusidic acid sodium salt

F-003 C₃₁H₄₇NaO₆ 538.70

An antibiotic agent used in the treatment or prevention of cutaneous infections, mainly *Staphylococcus aureus*. Contact dermatitis often associated with treatment of leg ulcers or atopic dermatitis. **CAS 751-94-0.**

G

Gallium(III)oxide

G-007 Ga₂O₃ 187.44

This hapten is a marker for contact allergy to **gallium**. This is a chemical compound used as part of the manufacturing of semiconductor devices. It might also be found in dental implants. **CAS 12024-21-4.**

Art. No. Formula FW

Gentamicin sulfate

G-006 $C_{19-21}H_{39-43}N_5O_7 \cdot 2.5H_2SO_4$

A topical and systemic broad-spectrum antibiotic with bactericidal action. Also used in ophthalmic drugs. **Cross:** neomycin sulfate. **CAS** 1405-41-0.

GERANIOL

G-001 $C_{10}H_{18}O$ 154.25

As fragrance in perfumery. As insect attractant. Also available as part of Mx-07. **CAS** 106-24-1.

Geranium oil

G-002

A fragrance used in various perfumes. Used as odorant for tooth and dusting powders, ointments, etc. The raw material for this product is made from an steam distillation of the whole plant of Pelargonium graveolens. Contains among other substances DL-Citronellol, Geraniol, Linalool, Menthone and Citral. Also known as Geranium oil Bourbon. **CAS** 8000-46-2.

GLUTARAL

G-003 $C_5H_8O_2$ 100.12

Used in the sterilization of endoscopic instruments, dental and barber equipment. Used as embalming fluid, in electron microscopy. A tanning agent for leather. A hardener for photographic gelatin. A pharmacological agent used for hyperhidrosis and antifungal purposes and for treatment of warts and some bullous diseases as well as herpes infections. Also known as Glutaraldehyde. **May cause airborne contact dermatitis.** **CAS** 111-30-8.

GLYCERYL THIOGLYCOLATE

G-004 $C_5H_{10}SO_4$ 166.22

A component in "acid" permanent waving formulations, mainly for use in hairdressing salons. **CAS** 30618-84-9.

Art. No. Formula FW

Gold(I)sodium thiosulfate dihydrate

G-005 $AuNa_3(S_2O_3)_2 \cdot 2H_2O$ 526.27

A gold derivative used for screening of contact allergy to dental gold materials. **CAS** 10233-88-2.

H

Hexachlorophene

H-001 $C_{13}H_6Cl_6O_2$ 406.91

Atopicalantisepticgermicidalsoaps, creams, deodorants, cleansers, shampoos, after-shave creams, pHisoHex surgical cleanser. **Cross:** bithionol, halogenated salicylanilides. **PA.** **CAS** 70-30-4.

Hexahydro-1,3,5-tris-(2-hydroxyethyl)triazine

H-002 $C_9H_{21}N_3O_3$ 219.29

A bactericide used in cooling fluids and various cosmetic products, acting as formaldehyde liberator. Active component in **Grotan BK.** **CAS** 4719-04-4.

Hexamethylene diisocyanate

H-022 $C_8H_{12}N_2O_2$ 168.20

An isocyanate monomer in polyurethane paints and lacquers. Also known as HDI. **CAS** 822-06-0.

1,6-Hexanediol diacrylate

H-004 $C_{12}H_{18}O_4$ 226.28

A common acrylic monomer in UV-cured inks, adhesives, coatings, photoresists, castings, artificial nails, etc. Also known as HDDA. A monomer in dental composite materials. **CAS** 13048-33-4.

Art. No.	Formula	FW	Art. No.	Formula	FW			
Hexyl cinnamic aldehyde			HYDROABIETYL ALCOHOL					
H-025	C ₁₅ H ₂₀ O	216.35	A-002	C ₂₀ H ₃₄ O	290.54			
A fragrance used in various perfumed products. Odor profile: floral, jasmin, waxy. Olfactory description: Similar to α -amyl cinnamic aldehyde but with a finer, more floral and delicate character. Found in acid cleaner liquid, detergent TAED, alcoholic lotion, fabric softener, anti perspirant, bath foam, bleach, hard surface cleaner, deo-stick shampoo, detergent perborate and soap. Also known as α -Hexylcinnamaldehyde. Also available as part of Mx-25. CAS 101-86-0.								
HOMOSALATE			Hydrochlorothiazide					
H-024	C ₁₆ H ₂₂ O ₃	262.35		C ₇ H ₈ CIN ₃ O ₄ S ₂	297.73			
An UV adsorbing agent found in sunscreen cosmetics of the type creams, lotions, lipsticks, sun oils, etc. Found in e.g. Coppertone products. Also known as 3,3,5-trimethylcyclohexyl salicylate. CAS 118-56-9.								
Hydantoin			Hydrochlorothiazide, sometimes abbreviated HCT, HCTZ, or HZT is a popular diuretic drug that acts by inhibiting the kidneys' ability to retain water. This reduces the volume of the blood, decreasing blood return to the heart and thus cardiac output and, by other mechanisms, is believed to lower peripheral vascular resistance. Hydrochlorothiazide is sold both as a generic drug and under a large number of brand names, including: Apo-Hydro, Aquazide H, Dichlotride, Hydrodiuril, HydroSaluric, Microzide, Oretic. CAS 58-93-5.					
H-027	C ₃ H ₄ N ₂ O ₂	100.08	Hydrocortisone-17-butyrate					
Hydantoin, also known as glycolurea, is an imidazole analogue. Hydantoin and its derivatives are used in the preparation of textile softeners, lubricants, resins, and agrochemicals. They have antibacterial, antifungal, antiprotozoal, and anthelmintic activity. They are used in manufacturing pharmaceuticals especially anticonvulsant drugs such as phenytoin, ethotoin, and methyphenytoin. CAS 461-72-3.								
Hydrazine sulfate			H-021	C ₂₅ H ₃₆ O ₆	432.62			
H-005	H ₆ N ₂ O ₄ S	130.12	Used as a topical corticosteroid with anti inflammatory properties. Marker for topical corticosteroid allergy. Also available as part of Mx-23. Cross: Budesonide, Fluocinolone acetonide, Hydrocortisone, Prednisolone Acetate, Tixocortol-21-Pivalate, Triamcinolone acetonide. CAS 13609-67-1					
Used as flux for soldering brass, copper, aluminium, and other metals. Also used as pressure stabilizer in cutting oils. May cause airborne contact dermatitis. CAS 10034-93-2.								
Hydrocortisone-21-acetate			Hydrocortisone-21-acetate					
H-034	C ₂₃ H ₃₂ O ₆	404.50						
Atopical corticosteroid with anti-inflammatory and immunosuppressive properties, belonging to the group A type of steroids. Used in medication to treat a variety of skin conditions (e.g., eczema, dermatitis, allergies, rash). Cross: Budesonide, Fluocinolone acetonide, Hydrocortisone, Hydrocortisone 17-butyrate, Prednisolone acetate, Methylprednisolone aceponate, Tixocortol-21-pivalate, Triamcinolone acetonide. CAS 50-03-3								

Art. No.	Formula	FW
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Hydroperoxides of Limonene

H-032

Limonene is found in cosmetics, fine fragrances and hygiene products as well as in household and industrial products. Limonene is one of the most commonly found fragrance ingredients in consumer products presently available. Limonene is a naturally occurring terpene, present in large amounts in various citrus fruits. Limonene autoxidize on air exposure at room temperature forming hydroperoxides. Compared to pure unoxidized limonene the hydroperoxides of oxidized limonene have shown to be far more allergenic. **NOTE: The preparation contains oxidized d-limonene. The concentration of the active haptens in the preparation is measured from the total amount of the hydroperoxides of d-limonene.**

Hydroperoxides of Linalool

H-031

Linalool is found in fine fragrances, cosmetics, and hygiene products as well as in household and industrial products. Linalool is among the most commonly found fragrance ingredients in consumer products presently available. Linalool is a naturally occurring terpene, present in large amounts in various plants, for example in lavender, rosewood, bergamot and jasmine. Linalool autoxidize on air exposure at room temperature forming hydroperoxides. Compared to pure unoxidized linalool the hydroperoxides of oxidized linalool have shown to be far more allergenic. **NOTE: The preparation contains oxidized linalool. The concentration of the active haptens in the preparation is measured from the total amount of the hydroperoxides of linalool.**

HYDROQUINONE

H-007 $C_6H_6O_2$ 110.11

A inhibitor in acrylic monomers, used as antioxidant e.g. in animal feed. Also used as photographic reducer and developer. Also known as HQ. **Cross: resorcinol. May cause depigmentation. CAS 123-31-9.**

Art. No.	Formula	FW
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Hydroquinone monobenzylether

H-019 $C_{13}H_{12}O_2$ 200.23

A antidegradant added to rubber products. Used as inhibitor in acrylic resins. **May cause depigmentation. CAS 103-16-2.**

HYDROXYCITRONELLAL

H-008 $C_{10}H_{20}O_2$ 170.25

A fragrance used in various perfumes, antiseptics, insecticides and household products. Also known as Hydroxycitronellal. Also available as part of Mx-07. **Cross: citronellal, geranal, methoxy-citronellal. May produce hyperpigmentation. CAS 107-75-5.**

2-Hydroxyethyl acrylate

H-009 $C_5H_8O_3$ 116.12

An acrylic monomer used in UV-inks, adhesives, lacquers, artificial nails etc. Also known as HEA. **CAS 818-61-1.**

2-Hydroxyethyl methacrylate

H-010 $C_6H_{10}O_3$ 130.15

A methacrylic monomer used in UV-inks, adhesives, lacquers, dental materials, artificial nails etc. Also known as HEMA. **CAS 868-77-9.**

HYDROXYETHYL-p-PHENYLENEDIAMINE SULFATE

H-033 $C_8H_{12}N_2O \cdot H_2O_4S$ 250.27

This substance is a hair dye ingredient used in the formulation of permanent hair dyes and colors. **CAS 93841-25-9.**

Art. No.	Formula	FW
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HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE

L-003 $C_{13}H_{22}O_2$ 210.00

A fragrance known for its soft delicate floral, lily, cyclamen note reminiscent of hydroxycitronella. Used in products such as Alcoholic Lotion, Anti Perspirant, Deo Stick, Detergent Perborate, Detergent TAED, Fabric Softener, Hard Surface Cleaner, Shampoo and soap. Stabilized with 0.1% BHT. Also known as 3-cyclohexene-1-carboxaldehyde, 4-(4-hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde, HICC and Lyral. Also available as part of Mx-25. **CAS** 31906-04-4.

Hydroxypropyl methacrylate

H-018 $C_7H_{12}O_3$ 144.17

A monofunctional methacrylic monomer found in dental composites and sealants, UV-curable resins for inks etc. Also known as HPMA. **CAS** 27813-02-1.

Hydroxyzine hydrochloride

H-028 $C_{21}H_{27}ClN_2O_2 \cdot 2HCl$ 447.83

This substance is a first-generation antihistamine, of the piperazine class that is an H1 receptor antagonist. It is used primarily as an antihistamine for the treatment of itches and irritations, an antiemetic for the reduction of nausea, as a weak analgesic by itself and as an opioid potentiator, and as an anxiolytic for the treatment of anxiety. The drug is available in two formulations, the pamoate and the dihydrochloride or hydrochloride salts. Vistaril®, Equipose®, Masmoran®, Paxistil®, and Vistaril Pamoate® are preparations of the pamoate salt whilst Atarax®, Alamon®, Aterax®, Durax®, Tran-Q®, Orgatrax®, Quiess®, Vistaril Parenteral®, and Tranquizine® are hydroxyzine hydrochloride. **CAS** 2192-20-3.

Art. No.	Formula	FW
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Ibuprofen

$C_{13}H_{18}O_2$ 206.3

A NSAID originally marketed as Nurofen and since under various trademarks, including Act-3, Advil, Brufen, Dorival, Herron Blue, Panafen, Motrin, Nuprin and Burana, Ipren or Ibumetin, Ibuprom, IbuHEXAL, Ibusal, Fenpaed, Moment, Ibx, Ibúfen, Ibalgin, Bupuren, Neofen, Eve and Advil. It is used for relief of symptoms of arthritis, primary dysmenorrhoea, fever, and as an analgesic, especially where there is an inflammatory component. Ibuprofen has no antiplatelet (blood-thinning) effect. **CAS** 15687-27-1.

IMIDAZOLIDINYLM UREA

I-001 $C_{11}H_{16}N_8O_8$ 388.31

A preservative used in lotions, creams, hair conditioners, shampoos, deodorants and topical drugs. Works as a formaldehyde releaser. Also known as Germall 115, Imidurea NF, Sept 115, Unicide U-13, Tristat IU and Biopure 100. **CAS** 39236-46-9.

Indium

I-015 In 114.82

Indium is a rare, soft, malleable and easily fusible poor metal. Its current primary application is to form transparent electrodes from indium tin oxide in liquid crystal displays. It is widely used in thin-films to form lubricated layers, it is also used for making particularly low melting point alloys, and is a component in some lead-free solders. It is sometimes present in dental alloys. **CAS** 7440-74-6.

Indium(III)chloride

I-011 Cl_3In 221.18

This hapten is a marker for contact allergy to **indium**. This metal is a colorless salt and also the most available soluble derivative of indium. Indiclor Indium In-111 Chloride is a diagnostic radiopharmaceutical intended for radiolabeling ProstaScint (capromab pentetide) used for in vivo diagnostic imaging procedures and for radiolabeling Zevalin (ibritumomab tiuxetan) in preparations used for radioimmunotherapy procedures. **CAS** 10025-82-8.

Art. No.	Formula	FW
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Indium(III)sulfate

I-013	$\text{In}_2(\text{SO}_4)_3$	517.83
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This hapten is a marker for contact allergy to **indium**. Indium sulfate is readily soluble in water for uses such as in water treatment. Indium sulfate is being marketed as a miracle dietary supplement and is falsely advertised as a dietary aid as an enhancer of food and mineral absorption, an anti-aging supplement, a blood pressure lowering supplement. **CAS** 13464-82-9.

IODOPROPYNYL BUTYLCARBAMATE

I-008	$\text{C}_8\text{H}_{12}\text{INO}_2$	281.09
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A compound used as fungicide and bactericide for wood and paint preservation and in cooling fluids. Now also permitted and used as a cosmetics preservative in products such as shampoos, lotions, creams, powders and baby products. Also known as Troysan KK-108a and under trade name Glycasil™. **CAS** 55406-53-6.

Iridium

I-014	Ir	192.22
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Iridium is a dense, very hard, brittle, silvery-white transition metal of the platinum family. Iridium is notable for being the most corrosion-resistant element known. It is used in high-temperature apparatus, electrical contacts, but the principal use of iridium is as a hardening agent in platinum alloys. Other uses: Crucibles and devices that require high temperatures. Electrical contacts (notable example: Pt-Ir spark plugs). Used in high-dose-radiation therapy for the treatment of prostate and other forms of cancer. **CAS** 7439-88-5.

Iridium(III)chloride trihydrate

I-012	$\text{Cl}_3\text{Ir}3\text{H}_2\text{O}$	352.62
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This hapten is a marker for contact allergy to **iridium**. Iridium(III) chloride trihydrate is the principal starting material for most iridium chemistry. Among other uses it is used in the production of hydrogen peroxide. **CAS** 13569-57-8.

Art. No.	Formula	FW
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ISOAMYL p-METHOXYCINNAMATE

I-009	$\text{C}_{15}\text{H}_{20}\text{O}_3$	248.40
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A UV-B adsorbing agent in sunscreen cosmetics of the type creams, lotions, lipsticks, sun oils, waterproof sunscreens products etc. Trade name is Neo Heliopan E1000. **CAS** 71617-10-2.

Isobornyl Acrylate

I-019	$\text{C}_{13}\text{H}_{20}\text{O}_2$	208.30
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Isobornyl acrylate is a chemical used in plastics, it polymerizes when exposed to free radicals to form monomers. It can be found in adhesives, sealants, intermediates, photosensitive chemicals, pigments (ink, toner and colorant products), paints, coatings, agricultural products (non-pesticidal) as well as in glucose monitoring systems, such as the FreeStyle® Libre. Also known as IBOA. **CAS** 5888-33-5.

ISOEUGENOL

I-002	$\text{C}_{10}\text{H}_{12}\text{O}_2$	164.21
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A fragrance used in perfumery, over-the-counter medicines, dental materials and foods. Also used in the production of Vanillin flavor. Found in oils of nutmeg, ylang-ylang etc. Also available as part of Mx-07. **Cross:** EUGENOL. **CAS** 97-54-1.

α-Isomethyl ionone

I-017	$\text{C}_{14}\text{H}_{22}\text{O}$	206.32
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α-Isomethyl ionone is used in many floral fragrances, particularly violet. Blends with and supports woody, leathery and oriental accords. **CAS** 127-51-5.

Isophorone diamine

I-006	$\text{C}_{10}\text{H}_{22}\text{N}_2$	170.29
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A common hardener for epoxy resins. Also a degradation product from Isophorone diisocyanate. Also known as IPD. **CAS** 2855-13-2.

Art. No.	Formula	FW
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ISOPHORONE DIISOCYANATE

I-007 $C_{12}H_{18}N_2O_2$ 222.28

Used in the manufacture of polyurethane plastics and lacquers. Also known as IPDI. **Cross:** Isophorone diamine. **CAS** 4098-71-9.

ISOPROPYL MYRISTATE

I-003 $C_{17}H_{34}O_2$ 270.44

An emollient found in cosmetic and pharmaceutical bases. Has solvent properties. **CAS** 110-27-0.

N-Isopropyl-N-phenyl-4-phenylenediamine

I-004 $C_{15}H_{18}N_2$ 226.32

An antidegradant in natural rubber, styrene-butadiene, nitrile-butadiene, butadiene and chloroprene rubber. Also known as IPPD. Also available as part of Mx-04. **CAS** 101-72-4

J

Jasmine synthetic

J-001

Synthetic jasmine for use as fragrance in perfumery. **Cross:** benzylsalicylate.

Jasmine absolute

J-002

Natural jasmine for use as fragrance in perfumery. The raw material for this product is made from an hexane extraction of the Jasminum Grandiflorum giving a concrete, then the absolute is obtained by extracting the concrete with ethanol. Contains among other substances Benzylbenzoate, Phytol, Isophytol, Linalool, Eugenol, Benzylalcohol, Benzyl salicylate. **Cross:** benzylsalicylate. **May produce hyperpigmentation.** **CAS** 84776-64-7.

Art. No.	Formula	FW	Series
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Juniperus oxycedrus extract

Mx-14

Tar obtained from distillation of Juniperus oxycedrus for use in, e.g., eczema and psoriatic medications and perfumes. Also known as Juniper tar. Available as part of Mx-14. **CAS** 8013-10-3.

K

Kanamycin sulfate

K-001 $C_{18}H_{36-37}N_{4-5}O_{10-11}H_2SO_4$

An antibacterial agent similar to neomycin. **Cross:** neomycin, streptomycin, gentamicin sulfate, dihydrostreptomycin. **CAS** 25389-94-0.

Ketoprofen

K-002 $C_{16}H_{14}O_3$ 254.28

Ketoprofen, (RS)2-(3-benzoylphenyl)-propionic acid, is one of the propionic acid NSAIDs with analgesic and antipyretic effects. **CAS** 22071-15-4.

L

LANOLIN ALCOHOL

W-001

Different types of alcohols (aliphatic, steroid, triterpenoid) present in wool fat (lanolin). Used as ointment base in cosmetic and pharmaceutical products. Also known as Wool alcohols. **Cross:** eucerin, lanette wax. **CAS** 8027-33-6.

Art. No.	Formula	FW
Lamotrigine		
L-009	C ₉ H ₇ Cl ₂ N ₅	256.09

This substance is an anticonvulsant drug used in the treatment of epilepsy and bipolar disorder. It is believed to work in adjunct with other drugs when treating clinical depression. It is used in slow-releasing tablets to prevent episodes of seizures. **CAS** 84057-84-1

LAURYL POLYGLUCOSE

L-004

A C₁₀-C₁₆ non-ionic surfactant with good dermatological compatibility and viscosity enhancing effects. Therefore it is suitable for use as an additive or a co-surfactant in cosmetic surfactant cleansing preparations in e.g. shampoos. Also known as Lauryl glycoside, PLANTACARE® 1200 and D-Glucopyranoside. **CAS** 110615-47-9.

Lavender absolute

L-001

A fragrance used in various perfumes. Also used as flavor and carminative. The raw material for this product is made from the freshly cut flowering tops of *Lavendula Angustifolia*, these are extracted with hexane giving a concrete, then the absolute is obtained by extracting the concrete with ethanol. Also known as LAVANDULA ANGUSTIFOLIA OIL. **Cross: Geranial. CAS** 8000-28-0.

Lead(II)chloride

L-008 PbCl₂ 278.10

This hapten is a marker for contact allergy to **lead**. Occurs naturally in the form of the mineral cotunnite. It is used in production of infrared transmitting glass and of ornamental glass called aurene glass. A basic chloride of lead, PbCl₂Pb(OH)₂, is known as Patteson's white lead and is used as pigment in white paint. **CAS** 7758-95-4.

Lidocaine

L-002 C₁₄H₂₂N₂O 234.33

Used as a local anesthetic and as antiarrhythmic agent. Also available as part of Mx-13 and Mx-20. **CAS** 137-58-6.

Art. No.	Formula	FW
d-Limonene		
L-006	C ₁₀ H ₁₆	136.24

Limonene is a hydrocarbon, classified as a cyclic terpene. It is a colourless liquid at room temperatures with an extremely strong smell of oranges. It takes its name from the lemon, as the rind of the lemon, like other citrus fruits, contains considerable amounts of this chemical compound, which is responsible for much of their smell. Limonene is a chiral molecule, and as is common with such forms, biological sources produce one enantiomer: the principal industrial source, citrus fruit, contains d-limonene ((+)-limonene), which is the R-enantiomer. Racemic limonene is known as dipentene. **CAS** 5989-27-5.

LINALOOL

L-005 C₁₀H₁₈O 154.25

Linalool is a naturally-occurring terpene alcohol chemical found in many flowers and spice plants with many commercial applications, the majority of which are based on its pleasant scent (floral, with a touch of spiciness). It is a main constituent of oils of rosewood, Ho, lavender, lavandin, clary sage, bergamot, petitgrain; minor of neroli, tangerine and jasmine. It has other names such as Linalool synthetic, β-linalool, linalyl alcohol, linaloyl oxide, p-linalool, allo-ocimenol, 2,6-dimethyl-2,7-octadien-6-ol and linalool synthetic. **CAS** 78-70-6.

M

Majanthole

M-033 C₁₂H₁₈O 178.27

Majantol has a fresh and intensely floral note. The recommended use level of this colorless liquid-to-crystalline product is 5–20%. This ingredient can be used in lily of the valley and fruity floral fragrances for detergent powder, fabric softener and soap applications. Also known as 2,2-dimethyl-3-(3-methylphenyl)propan-1-ol. **CAS** 103694-68-4.

Art. No.	Formula	FW
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MANGANESE CHLORIDE

M-031 Cl₂Mn 125.84

This hapten is a marker for contact allergy to **manganese**. This chemical is used as a catalyst in the chlorination of organic compounds, in animal feed, and in dry-cell batteries. Metallic manganese is used primarily in steel production to improve hardness, stiffness, and strength. It is also used in carbon steel, stainless steel, and high-temperature steel, along with cast iron and superalloys. **CAS** 7773-01-5.

Melamine formaldehyde

M-001 C₆H₁₂N₆O₃ 216.20

A textile resin of formaldehyde releasing type for the treatment of draperies, collars, apparel, etc. Also known as Kaurit M70. .

MENTHOL

M-002 C₁₀H₂₀O 156.26

Found in confectionery, perfumery, cough drops, cigarettes, liqueurs, etc. Also used as a topical antipruritic, local anesthetic, gastric sedative. **ICU**. **CAS** 89-78-1.

2-Mercaptobenzothiazole

M-003 C₇H₅NS₂ 167.25

An accelerator, retarder, and peptizer for natural and other rubber products such as shoes, gloves, rubber in undergarments and clothing, condoms and diaphragms, medical devices, toys, tires and tubes, renal dialysis equipment, swimwear. Can also be used as a fungicide and works as a corrosion inhibitor in soluble cutting oils and antifreeze mixtures. Also used in greases, adhesives, photographic film emulsions, detergents, veterinary products such as tick and flea powders and sprays. Also known as MBT. Also available as part of Mx-05A, Mx-05B. **CAS** 149-30-4.

Art. No.	Formula	FW
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Mercury(II)chloride

M-004 HgCl₂ 271.50

This hapten is a marker for contact allergy to **mercury**. Used in tanning leather and an intensifier in photography. Can also be used a topical antiseptic and disinfectant. **Cross: other mercurials**. **CAS** 7487-94-7.

Mercury

M-005 Hg 200.59

Is a chemical reagent and can be found in thermometers and dental amalgams. But also in pharmaceuticals, antifouling paints, agricultural chemicals. **May cause airborne contact dermatitis**. **CAS** 7439-97-6.

Mercury(II)amidochloride

M-022 (HgNH₂)Cl 252.07

This hapten is a marker for contact allergy to **mercury**. Inorganic mercurial compound used in creams as a topical antiinfective agent (formerly used in the treatment of psoriasis and in skin-lightening formulations). **May cause pigmentation and depigmentation**. **CAS** 10124-48-8.

2,2-bis(4-(2-Methacryl-oxyethoxy)phenyl)propane

M-006 C₂₇H₃₂O₆ 452.55

A methacrylic monomer based on bisphenol A. Used in dental restorative composite materials and as a reactive monomer in adhesive products Also known as BIS-EMA. **CAS** 24448-20-2.

METHENAMINE

H-003 C₆H₁₂N₄ 140.19

Used as an urinary antiseptic agent but also as a rubber accelerator and formaldehyde liberator. Used in the production of phenol-formaldehyde resins and can be found as a preservative in cosmetic products. Other uses include epoxy curing agent and corrosion inhibitor for steel. Also known as Hexamine and Hexamethylenetetramine. **May cause airborne contact dermatitis**. **CAS** 100-97-0.

Art. No.	Formula	FW	Art. No.	Formula	FW			
2-Methoxy-6-n-pentyl-4-benzoquinone M-008	$C_{12}H_{16}O_3$	208.26	METHYLDIBROMO GLUTARONITRILE D-049	$C_6H_6Br_2N_2$	265.94			
The primary hapten of the plant <i>Primula Obconica</i> found in glandular hairs on the leaves and the stem. Also known as Primin. May cause airborne contact dermatitis from contact with Primula. CAS 15121-94-5.								
p-METHYLMINOPHENOL M-040	C_7H_9NO	123.15	A preservative for metalworking fluids, cosmetics, adhesives, latex emulsions and paints, dispersed pigments and detergents. Active ingredient in Euxyl K 400 and Tektamer 38. Also known as 1,2-Dibromo-2,4-dicyanobutane and MDBGN. CAS 35691-65-7.					
The free form of this chemical is known to be present in many hair dyes, as well as in photographic developing and dyeing of furs. CAS 150-75-4.								
METHYL ANTHRANILATE M-028		151.16	N,N-Methylene-bisacrylamide M-023	$C_7H_{10}N_2O_2$	154.17			
Used in a wide variety of fragrances and flavors. Used as perfume in ointments and in the manufacture of synthetic perfumes; flavorings. Odor Description: orange-flower, fruity, grape-like odor. Some perfumery uses : cherry, banana, strawberry, blueberry, grape. Natural occurrences: grape, concord. Also known as Methyl anthranilate. CAS 134-20-3.								
4-METHYLBENZYLIDENE CAMPHOR M-024	$C_{18}H_{22}O$	254.37	An acrylamide compound cross-reacting with unidentified primary sensitizers in NAPP and Nyloprint UV-cured printing plates. CAS 110-26-9.					
A UV-B absorbing agent in sunscreen cosmetics of the type creams, lotions, lipsticks, sun oils, etc. Also known as Eusolex 6300. CAS 36861-47-9.								
6-METHYL COUMARIN M-010	$C_{10}H_8O_2$	160.17	Methylene bis-benzotriazolyl tetramethylbutyl-phenol M-037	$C_{41}H_{50}N_6O_2$	658.86			
A Synthetic fragrance found in cosmetics, toiletries and soaps. Cross (photo): 7-methylcoumarin, COUMARIN, 7-methoxycoumarin. PA. CAS 92-48-8.								
UV absorbing agent present in sunscreens as a UV-A and UV-B filter. Main component in Tinosorb M (see M-032). This hapten does not contain DECYL GLUCOSIDE. CAS 103597-45-1								
α-Methylene-γ-butyrolactone M-026	$C_5H_6O_2$	98.10	Methylhydroquinone M-025	$C_7H_8O_2$	124.14			
Tulipaline A, hapten in the Liliaceae family of plants to which species such as Tulip, Alstromeria Erythronium dens canis & americanum belong. CAS 547-65-9.								
A stabilizer and antioxidant in acrylic monomers to prevent polymerization. CAS 95-71-6.								
METHYLISOTHIAZOLINONE M-035	C_4H_5NOS	115.15	A component in Kathon CG which is used as preservative for use in cosmetics, shampoos, cooling fluids, detergents etc. Also present as a component in Art. No. C-009 (see this compound for further information). Also known as MI. CAS 2682-20-4.					

Art. No. Formula FW

METHYLISOTIAZOLINONE + METHYLCHLOROISOTIAZOLINONE

C-009 C₄H₄CINOS 149.60

This product, a component in biocides, is used as a preservative in oil and cooling fluids, soaps, latex emulsions, slime control in paper mills, jet fuels, milk sampling, radiography, printing inks, moist toilet paper, detergents, shampoos, hair conditioners, hair & body gels, bubble baths, skin creams & lotions, mascaras, etc. The following biocides contain METHYLISOTIAZOLINONE + METHYLCHLOROISOTIAZOLINONE: Acticide, Algucid CH 50, Amerstat 250, Euxyl K 100, Fennosan IT 21, GR 856 Izolin, Grotan TK2, Kathon CG, Kathon 886MW, Kathon LX, Kathon WT, Mergal K7, Metatin GT, Mitco CC 31 L, Mitco CC 32 L, Special Mx 323, Parmetol DF 35,-DF 12, -A23,-K50,-K40,-DF 18, P3 Multan D, Piror P109. Also known as ProClin 150, MI/MCI. METHYLISOTIAZOLINONE is also available separately as Art. No. M-035 **May cause airborne contact dermatitis. CAS 55965-84-9.**

Methyl methacrylate

M-013 C₅H₈O₂ 100.12

A methacrylic monomer in plastics for dentures, bone cement, artificial nails, hearing aids etc. Also known as MMA. **CAS 80-62-6.**

Methyl-2-octynoate

M-034 C₉H₁₄O₂ 154.21

Methyl-2-octynoate is one of many ingredients in fragrances. Its end applications include soap, detergents, beauty care products, household products. **CAS 111-12-6.**

N-Methyolchloroacetamide

M-014 C₃H₆CINO₂ 123.54

A preservative in cooling fluids and cosmetics. Also known as Grotan HD II and Parmetol K 50. **May cause airborne contact dermatitis. CAS 2832-19-1.**

Art. No. Formula FW

Methylprednisolone aceponate

M-036 C₂₇H₃₆O₇ 472.58

A topical corticosteroid used for treating eczema and psoriasis, it suppresses inflammatory and allergic skin reactions and thus relaxes symptoms originating from the skin problem like redness (erythema), thickening of the skin, coarseness of the skin surface, fluid build-up (edema), itchiness, and other complaints (burning sensation or pain). Due to its high lipophilicity and the fact that it is bioactivated in the skin, enables single daily application without any loss of efficacy. Also known as Advantan. **CAS 86401-95-8**

2-METHYLRESORCINOL

M-039 CH₃C₆H₃(OH)₂ 124.14

This substance is typically used in the formulation of hair dyes and colors. **CAS 608-25-3.**

Miconazole

M-027 C₁₈H₁₄Cl₄N₂O 416.12

An antifungal agent of the imidazole type which is used in topical and vaginal preparations to prevent growth of dermatophytes, yeast and molds. **Cross: econazole, enilconazole. CAS 22916-47-8.**

Molybdenum

M-030 Mo 95.94

This metal is often used in high-strength steel alloys. It is found in trace amounts in plants and animals, although excess molybdenum can be toxic in some animals. The ability of molybdenum to withstand extreme temperatures without significantly expanding or softening make it useful in applications that involve intense heat, including aircraft parts, electrical contacts, industrial motors, and filaments. Molybdenum is also used in alloys, such as dental alloys for its high corrosion resistance and weldability. Most high-strength steel alloys are 0.25% to 8% molybdenum. **CAS 7439-98-7.**

Art. No.	Formula	FW
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Molybdenum(V)chloride

M-038 MoCl₅ 273.21

This hapten is a marker for contact allergy to **molybdenum**. This chemical is an inorganic compound, a dark volatile solid which is mainly used in research to prepare other molybdenum compounds. For testing purpose this is also used to test allergy for Molybdenum. Molybdenum compounds are found in the manufacture of aircraft parts, electrical contacts, motors, filaments, and high-strength steel alloys. It can also be found in dental implants. **CAS** 10241-05-1.

2-Monomethylol phenol

M-015 C₇H₈O₂ 124.14

An intermediate in the production of phenol formaldehyde resins which may remain after condensation of the resin. Sensitizer in phenol formaldehyde resins. Also used in local anesthetic. Also known as Saligenin. **CAS** 90-01-7.

2-(4-Morpholinylmercapto)benzothiazol (MOR)

M-016 C₁₁H₁₂N₂OS₂ 252.47

An accelerator for natural rubber, isoprene butadiene, styrene-butadiene, nitrilebutadiene rubber products.

Also available as part of Mx-05A, Mx-05B. **CAS** 102-77-2.

Musk moskene

M-019 C₁₄H₁₈N₂O₄ 280.33

A synthetic nitro musk compound used as fragrance and fixative in after shave lotions, perfumes etc. Also available as part of Mx-10B. **CAS** 116-66-5.

Musk xylene

M-021 C₁₂H₁₅N₃O₆ 297.45

A synthetic nitro musk compound used as fragrance and fixative in after shave lotions, perfumes etc. The musk compound of choice for soap and detergent fragrances. Also available as part of Mx-10B.

Cross (photo): musk ambrette. PA. CAS 81-15-2.

Art. No.	Formula	FW
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N

Narcissus poeticus absolute

N-006

A fragrance used in various perfumed products. The raw material for this product is made from an solvent extraction of the flowers of Narcissus poeticus. Also known as Narcissus absolute. **CAS** 90064-26-9.

Neomycin sulfate

N-001 C₂₃H₄₆N₆O₁₃·H₂SO₄ 712.72

A broad-spectrum antibiotic found in topical creams, powders, ointments, eye and ear drops. Also used as systemic antibiotic and growth promotor in veterinary use. **Cross:** streptomycin, gentamycin, framycetin, dihydrostreptomycin, kanamycin, spectinomycin, tobramycin, paromomycin, butirosin, bacitracin. **UCU. CAS** 1405-10-3.

Nickel(II)sulfate hexahydrate

N-002 NiO₄S·6H₂O 262.86

Nickel metal: a common hapten present in various alloys, electroplated metal, earrings, watches, buttons, zippers, rings, utensils, tools, instruments, batteries, machinery parts, working solutions of metal cutting fluids, nickel plating for alloys, coins, pigments, dentures, orthopedic plates, keys, scissors, razors, spectacle frames, kitchenware etc. **May produce erythema multiforme like eruptions. May cause airborne contact dermatitis. ICU. CAS** 10101-97-0.

Niobium(V)chloride

N-008 NbCl₅ 270.17

In patch testing this chemical is used to diagnose contact allergy to Niobium. Niobium is a metal which can be found in steel, alloys, magnets and electro ceramics. The metal can also be found in medical devices such as pacemakers or joint replacements. It is also used in jewelry. **CAS** 10026-12-7.

Art. No. Formula FW

4-(2-Nitrobutyl)morpholine

Comp. in E-014 C₈H₁₆N₂O₃ 188.23

A preservative used in cooling fluids, crude oil, diesel fuel, heating oil etc. 4-(2-Nitrobutyl)morpholine is present in Bioban P 1487 by 70%. Bioban P 1487 also contains 4,4-(2-Ethyl-2-nitrotrimethylene) dimorpholine. Neither of the substances can be ordered separately. **CAS 2224-44-4.**

Nitrofurazone

N-005 C₆H₆N₄O₄ 198.14

A topical antibiotic used in human and veterinary medicine and is sometimes also added to animal feeds. Also known as Furacin. **May cause airborne contact dermatitis. CAS 59-87-0.**

2-NITRO-p-PHENYLENE-DIAMINE

N-004 C₆H₇N₃O₂ 153.14

A dye present in different hair dyeing preparations. These are of the semipermanent type and do not require the use of HYDROGEN PEROXIDE. Also known as 2-Nitro-4-phenylenediamine. **CAS 5307-14-2.**

Norfloxacin

N-007 C₁₆H₁₈FN₃O₃ 319.33

An oral broad-spectrum fluoroquinolone antibacterial agent used in the treatment of urinary tract infections. The mechanism of action of norfloxacin involves inhibition of the A subunit of bacterial DNA gyrase, an enzyme which is essential for DNA replication. Also known as 1-ethyl-6-fluoro-4-oxo-7-piperazin-1-yl-1H-quinoline-3-carboxylic acid. **CAS 70458-96-7.**

Art. No. Formula FW

O

Oakmoss absolute

O-001

An extract of oak moss for use as fragrance in many perfume mixtures, after-shave lotions etc. The raw material for this product is made from an hexane extraction of the moss giving a concrete, then the absolute is obtained by extracting the concrete with ethanol. The moss used is Evernia Prunastri. Also known as tree moss. Contains atranorin, evernic acid and usnic acid. Also available as part of Mx-07.

NOTE: The preparation is based on the raw material of oakmoss absolute that has NOT been subject to chemical reduction of atranol and chloroatranol. PA. CAS 9000-50-4.

OCTOCRYLENE

O-009 C₂₄H₂₇NO₂ 361.48

An UV-B adsorbing agent in sunscreen cosmetics of the type creams, lotions, lipsticks, sun oils, etc. Also known as 2-ethylhexyl 2-cyano-3,3-diphenylacrylate. Trade name is Eusolex OCR. **CAS 6197-30-4.**

Octyl gallate

O-002 C₁₅H₂₂O₅ 282.34

An antioxidant for use in cosmetic and pharmaceutical products and in food products such as margarine and peanut butter. Also available as part of Mx-28B. **May cause airborne contact dermatitis. CAS 1034-01-1.**

2-n-Octyl-4-isothiazolin-3-one

O-004 C₁₁H₁₉NOS 213.34

A fungicide used in paints, cutting oils, wallpaper adhesives, etc. Also used for the preservation of leather. Also known as Skane M-8, Kathon 893. **CAS 26530-20-1.**

OLEAMIDOPROPYL DIMETHYLAMINE

O-005 C₂₃H₄₆N₂O 366.25

A cationic emulsifier used in cosmetics such as body lotions, creams, shampoos, hair rinse preparations, etc. **CAS 109-28-4.**

P

PABA

A-006 C₇H₇NO₂ 137.14

A sun screening agent in cosmetics, moisturizers, shampoos, hair care products, nail polish, lipstick, lip balms, oral vitamin supplements. Used in the production of local anesthetics, folic acid and azo dyes. Also known as 4-Aminobenzoic acid. **Cross: para group of compounds. PA. CAS 150-13-0.**

Palladium(II)chloride

P-001 PdCl₂ 177.31

This hapten is a marker for contact allergy to **palladium**. A chemical catalyst. Can be found in jewelry, dental alloys and electroplating parts of clocks and watches. **CAS 7647-10-1.**

PANTHENOL

P-042 205.254

Used as a humectant, emollient and moisturizer. As panthenol easily binds to hair follicles it is commonly used in shampoos and hair conditioners. **CAS 16485-10-2**

Parthenolide

P-029 C₁₅H₂₀O₃ 248.32

Sesquiterpene lactone found in Feverfew (Chrysanthemum Parthenium) which is a Compositae plant growing throughout Europe and in southern USA near homes, on roadsides and in uncultivated places. It is also found in several other Compositae plants and Magnoliaceae. Also available as part of Mx-29A and Mx-29B. **CAS 20554-84-1.**

Pentaerythritol triacrylate

P-002 C₁₄H₁₈O₇ 298.30

A trifunctional cross-linking acrylic monomer for use in adhesives, coatings, inks, photoresists, castings, etc. cured by UV radiation. **CAS 3524-68-3.**

Peppermint oil

P-036 C₁₀H₁₆ 136.2

True peppermint oil is steam distilled from the partially dried herb of *Mentha Piperita* which is a hybrid from three other species of *Mentha*, all natives of southern Europe. Uses include antiemetic agent, Autonomic agent, central nervous system agent, gastrointestinal agent, parasympatholytic agent, Pharmaceutic aid, Flavor and Fragrance agent, Essential Oil. Also known as *MENTHA PIPERITA OIL*, *Mentha x piperita L*, Peppermint oil, Peppermint terpenes and Pfefferminz oel. **CAS 8006-90-4.**

Peru balsam

B-001

Found as flavor in tobacco, drinks, pastries, cakes, wines, liquors, spices etc. Used as a fixative and fragrance in perfumery. Also used in topical medicaments, dentistry, etc. Consists of esters of cinnamic and **BENZOIC ACID**, Vanillin, styracine. Also known as Balsam Peru, **MYROXYLON PEREIRAE RESIN**, Indian balsam, China oil, Black balsam, Honduras balsam and Surinam balsam. **Cross: COLOPHONIUM, tolu balsam absolute, cinnamates, benzoates, styrax, benzoin, tiger balm, beeswax, benzaldehyde, benzylsalicylate, coniferyl alcohol, COUMARIN, EUGENOL, Isoeugenol, FARNESOL, propanidid, propolis, diethylstilbestrol. May produce erythema-multiforme like eruptions. PT. NICU. CAS 8007-00-9**

PETROLATUM

P-003

A white petrolatum which is a purified mixture of semisolid hydrocarbons. As ointment base in cosmetics. Leather grease and shoe polish component. Supplier of Chemotechniques petrolatum is Penreco. **May cause hyperpigmentation. CAS 8009-03-8.**

Art. No.	Formula	FW
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Phenol formaldehyde resin (PFR2)

A resin based on phenol and formaldehyde which contain methylol phenols. Used in binders, adhesives, laminates, impregnation products, surface coatings, casting sand, etc. Simultaneous contact allergic reactions to Peru balsam and COLOPHONIUM over represented. **May cause airborne contact dermatitis.**

PHENOXYETHANOL

P-025 C₈H₁₀O₂ 138.16

A fixative for perfumes, used as bactericide in conjunction with METHYLDIBROMO GLUTARONITRILE (Euxyl K 400) as well as quaternary ammonium compounds. Also used as insect repellent and topical antiseptic. **CAS 122-99-6.**

PHENYLBENZIMIDAZOLE SULFONIC ACID

P-024 C₁₃H₁₀N₂O₃S 274.30

A sun-screening agent for use in various sunscreen products. Trade names: Eusolex 232 and Novantisol. Also known as 2-Phenylbenzimidazol-5-sulfonic acid. **CAS 27503-81-7.**

Phenylbutazone

P-041 C₁₉H₂₀N₂O₂ 308,37

An anti-inflammatory agent with antipyretic and analgesic activities. It is used in the treatment of ankylosing spondylitis and rheumatoid arthritis. In some countries the drug is only approved for use in veterinary medicine. **CAS 50-33-9.**

p-PHENYLENEDIAMINE (PPD)

P-006 C₆H₈N₂ 108.14

The primary intermediate in permanent hair dyes and fur dyes (valid for p-PHENYLENEDIAMINE (PPD)). Also used in photographic developers, lithography, photocopying, oils, greases, gasoline and as antioxidant/accelerator in the rubber and plastic industry. The hydrochloride is used as blood reagent. **Cross: parabens, PABA, para compounds. May produce erythema multiforme like eruptions. May cause airborne contact dermatitis. PA. UCU. CAS 106-50-3.**

Art. No.	Formula	FW
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2-Phenyl glycidyl ether

P-023 C₉H₁₀O₂ 150.18

A reactive diluent in epoxy resin systems. Forms chemical bonds with the resin during cure and accelerates the curing process. **CAS 122-60-1.**

2-Phenylindole

P-007 C₁₄H₁₁N 193.25

A stabilizer in PVC-plastic products. Also known as α -phenylindole. **CAS 948-65-2.**

PHENYL MERCURIC ACETATE

P-008 C₈H₈HgO₂ 336.74

Used as herbicide and fungicide. As preservative in antibiotic eye drops, eye cosmetics, shampoos, etc. Also known as Advacide PMA 18, Cosan PMA, Mergal A25, Metasol 30, Nildew AC 30, Nuodex PMA 18 and Nylmerate. **Cross: p-chloromercuriphenol. ICU. CAS 62-38-4.**

N-Phenyl-2-naphtylamine

P-009 C₁₆H₁₃N 219.29

An antidegradant for various rubber products such as natural rubber, styrene-butadiene, nitrile, butadiene and chloroprene. Also known as phenyl-beta-naphtylamine and PBN. **CAS 135-88-6.**

o-PHENYLPHENOL

P-010 C₁₂H₁₀O 170.20

A preservative used in cosmetics, cooling fluids, detergents and as agricultural fungicide for citrus fruits, etc. Also known as 2-phenylphenol and Dowicide 1. **Photosensitizer. May cause depigmentation. CAS 90-43-7.**

Art. No.	Formula	FW
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PHENYL SALICYLATE

P-011	C ₁₃ H ₁₀ O ₃	214.22
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Used as UV-light adsorber in plastics, suntan oils, and creams. Also found in waxes, adhesives, polishes etc. Used as analgesic, antipyretic, and anti-rheumatic agent. Can also be found in veterinary use as external disinfectant and intestinal antiseptic agent. Also known as Salol. **CAS** 118-55-8.

Pine tar

Mx-14

A product obtained by dry-distillation of wood from pine. Consists of turpentine, various phenols, xylene, etc. Topical antieczematic and rubefacient. Also known as PINUS PALUSTRIS TAR. Available as part of Mx-14. **CAS** 8011-48-1.

Piroxicam

P-033	C ₁₅ H ₁₃ N ₃ O ₄ S	331.35
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Piroxicam (marketed in the U.S. under the trade name Feldene) is a NSAID used to relieve the symptoms of rheumatoid and osteoarthritis, primary dysmenorrhoea, postoperative pain; and act as an analgesic, especially where there is an inflammatory component. It is also used in veterinary medicine to treat certain neoplasias expressing cyclooxygenase (COX) receptors, such as bladder, colon, and prostate cancers. Other brand names for Piroxicam include Brexin, Erazon, Felden, Feldoral, Hotemin, Pirox von ct, Proponol, Reumador, Veral, and Vurdon. **CAS** 36322-90-4.

POLYAMINOPROPYL BIGUANIDE

P-043

A preservative found in cosmetics, personal care products, fabric softeners, contact lens solutions, wet wipes and more. Also used as deodorizer and disinfectant. **CAS** 27083-27-8

Art. No.	Formula	FW
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Polymyxin B Sulfate

P-026	C ₅₆ H ₁₀₀ N ₁₆ O ₁₇ S	1385.63
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An antibacterial peptide produced from *Bacillus polymyxa*. Polymixin B is commonly found in topical antibiotic ointments and creams. **CAS** 1405-20-5

Polysilicone-15

P-035	> 6000
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Is an organic compound used in hair products like shampoos, conditioners, hair sprays, pomades and color treatment products to absorb UVB radiation. In the EU, it is also approved for use in sunscreens and cosmetics. Also known as Parsol SLX. **CAS** 207574-74-1.

Polyethylene glycol 400 (PEG 400)

P-034	H(OCH ₂ CH ₂) _n OH	approx. 400
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Polyethylene glycol PEG400 refers to a polymer of ethylene oxide with a molecular mass below 20,000 g/mol, in this case 400. This chemical has many industrial, foods, cosmetic and medical applications. It is added to skin lotions, creams, jellies, soaps and toothpastes. It is the basis for many laxatives and bowel irrigation preparations. It is also used as a lubricant in tire manufacturing; plasticizer for sponges and synthetic leather; a paper softener; anti-curl agent; and an intermediate in resin manufacturing. **CAS** 25322-68-3

POLYSORBATE 80

P-013

An emulsifier and dispersing agent for medicinal products for internal use. Used as emulsifier in cosmetics, pharmaceuticals & food. Also known as Polyoxyethylenesorbitan monooleate and Tween 80. **CAS** 9005-65-6.

Potassium clavulanate

P-040	C ₈ H ₈ NO ₅ K	237.25
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This chemical is a drug which is given with antibiotics. While not effective by itself as an antibiotic, when combined with penicillin-group antibiotics, it can overcome antibiotic resistance in bacteria that secrete β -lactamase, which otherwise inactivates most penicillin's. **CAS** 61177-45-5.

Art. No.	Formula	FW
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Potassium dichromate

P-014 Cr₂K₂O₇ 294.21

This hapten is a marker for contact allergy to **chromium**. The hexavalent form of chromium, which is used in cement, tanning of leather, textile dyes, wood preservatives, alloys in metallurgy, safety matches, photography, electroplating, anticorrosives, engraving and lithography, ceramics, automobile industry, TV manufacturing, photocopy paper, tattoos, mascara/eye shadow pigments (chromium oxide), milk testing, welding, floor waxes, shoe polishes, paints, glues, pigments, detergents, etc. **May cause airborne contact dermatitis.** **CAS** 7778-50-9.

Potassium dicyanoaurate(I)

P-015 C₂AuKN₂ 288.13

This hapten is a marker for contact allergy to **gold**. Gold salt used in the electroplating industry. **CAS** 13967-50-5.

Pramoxine hydrochloride

P-039 C₁₇H₂₇NO₃ · HCl 329.86

This substance is a topical anesthetic and used as an antipruritic. Like other local anesthetics, the drug decreases the permeability of neuronal membranes to sodium ions, blocking both initiation and conduction of nerve impulses. Depolarization and repolarization of excitable neural membranes is thus inhibited, leading to numbness. **CAS** 637-58-1.

Prilocaine hydrochloride

P-027 C₁₃H₂₁CIN₂O 256.8

Used as a local anesthetic agent. Also known as Citanest, Xylohex. Also available as part of Mx-20. **CAS** 1786-81-8.

Procaine hydrochloride

P-016 C₁₃H₂₁CIN₂O₂ 272.77

A local anesthetic agent also known as Novocaine, Ethocaine, Allocaine, Topocaine, Neocaine and Syncaine etc. **Cross: para group of compounds, parabens, butethamine, PABA.** **CAS** 51-05-8.

Art. No.	Formula	FW
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PROPIONIC ACID

P-018 C₃H₆O₂ 74.08

Used as food additive for the preservation against moulds in, e.g., cheese products. Also in the production of fruit flavors and perfume bases. **CAS** 79-09-4.

Propolis

P-022

A resinous substance found in beehives (beeglue). Collected by bees from treebuds. Found in biocosmetics, face creams, ointments, lotions, solutions, varnish, toothpaste, mouthwashes, tablets, chewing gum, etc. Also found in wax for violins. Contains flavonoid aglycones and the main hapten is 1,1-dimethylallyl caffeic acid ester (LB-1). **Cross: Peru balsam. May cause airborne contact dermatitis.** **CAS** 85665-41-4

PROPYLENE GLYCOL

P-019 C₃H₆O₂ 76.09

Used as vehicle in pharmaceutical and cosmetic bases. In food it is used as solvent for colors and flavors and to prevent growth of moulds. Works as humectant and can also be found in cooling fluids. **UCU. CAS** 57-55-6.

PROPYL GALLATE

P-021 C₁₀H₁₂O₅ 212.20

An antioxidant in cosmetic and pharmaceutic creams, emulsions, various fats, oils and waxes. Can also be found in foods like margarine, peanut butter, etc. Also available as part of Mx-28B. **CAS** 121-79-9.

PROPYLPARABEN

P-020 C₁₀H₁₂O₃ 180.20

A preservative in foods (salad dressings, mayonnaise, spiced sauces, mustard, frozen dairy products, baked products), cosmetics and pharmaceutical preparations. Also known as Propyl-4-hydroxybenzoate. Also available as part of Mx-03A, Mx-03C. **Cross: hydroquinone monobenzyl ether, other parabens, para compounds.** **CAS** 94-13-3.

Art. No.	Formula	FW
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Q

QUATERNIUM-15

C-007 $C_9H_{16}Cl_2N_4$ 251.20

A formaldehyde-releasing preservative in hand creams, lotions, face creams, shampoos, latex paints, topical medicaments, polishes, metal working fluids, adhesives, inks, etc. Also known as Dowicil 200 and 1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride. **CAS** 51229-78-8.

Quinine sulfate

Q-001 $(C_{26}H_{24}N_2O_2)_2$
 $H_2SO_4 \cdot 2H_2O$ 746.93

An antimalarial agent also used as antipyretic and in liquids (tonic etc.). **PA.** **CAS** 6119-70-6.

R

Reactive Black 5

R-004 $C_{26}H_{21}N_5Na_4O_{19}S_6$ 991.79

An azo dye belonging to the reactive dye class used for coloring cotton, wool, silk and polyamide textiles. **May cause allergic conjunctivitis, allergic rhinitis and occupational asthma.** **CAS** 17095-24-8.

Reactive Blue 21

R-005

A phthalocyanine-copper complex dye belonging to the reactive dye class used for coloring cotton, wool, silk and polyamide textiles. **May cause allergic conjunctivitis, allergic rhinitis and occupational asthma.** **CAS** 12236-86-1.

Art. No.	Formula	FW
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Reactive Orange 107

R-007

An azo dye belonging to the reactive dye class used for coloring cotton, wool, silk and polyamide textiles. **May cause allergic conjunctivitis, allergic rhinitis and occupational asthma.** **CAS** 94158-82-4.

Reactive Red 123

R-008

An azo dye belonging to the reactive dye class used for coloring cotton, wool, silk and polyamide textiles. **May cause allergic conjunctivitis, allergic rhinitis and occupational asthma.**

Reactive Red 228

R-010

An monoazo dye belonging to the reactive dye class used for coloring cotton, wool, silk and polyamide textiles. **May cause allergic conjunctivitis, allergic rhinitis and occupational asthma.**

Reactive Violet 5

R-011

An dye belonging to the reactive dye class used for coloring cotton, wool, silk and polyamide textiles. **May cause allergic conjunctivitis, allergic rhinitis and occupational asthma.** **CAS** 12226-38-9.

RESORCINOL

R-001 $C_6H_6O_2$ 110.11

A keratolytic agent found in acne medications. Used in hair dyes, resins, tanning, cosmetics, Castellanis paint, eye drops, suppositories, photocopying and photographic solutions, explosives, etc. Also used a topical antipruritic and antiseptic agent. **Cross:** **phenol.** **May cause orange-brown discoloration of lacquered nails and may darken fair hair.** **CAS** 108-46-3.

Art. No.	Formula	FW
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Resorcinol monobenzoate

R-002 C₁₃H₁₀O₃ 214.22

An UV-light absorber added mainly to out door plastics. Has caused dermatitis as additive in spectacle frames. **Cross:** Peru balsam. **CAS** 136-36-7.

Rhodium(III)chloride hydrate

R-013 RhCl₃ · xH₂O

This hapten is a marker for contact allergy to **rhodium**. This metal can be found in precious metal alloys and in electroplating. In jewelry it can be found in white gold, platinum, and sterling silver. Rhodium is also used as an alloying agent for hardening and improving the resistance of platinum and palladium to corrosion which can be used in coatings. In the car industry rhodium is used as a catalytic converter. **CAS** 20765-98-4.

Rose absolute

R-003

A fragrance used in various perfumes and for flavoring lozenges, ointments, toilet preparations, etc. The raw material for this product is made from an solvent extraction of the flowers. Contains among other substances Citronellol, Phenyl ethyl alcohol, Geraniol, Nerol, Eugenol. Also known as ROSA DAMASCENA EXTRACT, Rose oil.

Ruthenium

R-012 Ru 101.07

Ruthenium is a chemical element and a rare transition metal, which is inert to most other chemicals. Ruthenium usually occurs as a minor component of platinum ores. Most ruthenium produced is used for wear-resistant electrical contacts and the production of thick-film resistors. A minor application of ruthenium is its use in some platinum alloys, and as a catalyst. It might also be found in dental implants. **CAS** 7440-18-8.

Art. No.	Formula	FW
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S

Sandalwood oil

S-009

A fragrance used in various perfumed products like soap, after-shave lotions, colognes and cosmetics. Also known as. SANTALUM ALBUM OIL. **PA. PT. PL. CAS** 8006-87-9.

HELLAC

S-015

Shellac is a resin secreted by the female lac bug, on trees in the forests of India and Thailand. It is processed and sold as dry flakes, which are dissolved in denatured alcohol to make liquid shellac, which is used as a brush-on colorant, food glaze and wood finish. Shellac is edible and it is used as a glazing agent on pills and candies in the form of pharmaceutical glaze. When used for this purpose, it has the food additive E number E904. **CAS** 9000-59-3.

SILVER NITRATE

S-007 AgNO₃ 169.89

This hapten is a marker for contact allergy to **silver**. Used in photography, silver plating, coloring porcelain, manufacturing of mirrors, etching ivory, analytical reagent. Can also be used as astringent and antiseptic agent. **May cause gray-brown discoloration of the conjunctivae and black discoloration of the fingernails. CAS** 7761-88-8.

SODIUM BENZOATE

S-001 C₇H₅NaO₂ 144.11

A preservative especially used for food products (drinks, jams, jellies, pickles, syrups, etc.) Also commonly found in cosmetic and pharmaceutical products. **NICU. CAS** 532-32-1.

Art. No.	Formula	FW
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SODIUM LAURYL SULFATE

S-018 $\text{CH}_3(\text{CH}_2)_{11}\text{OSO}_3\text{Na}$ 288.38

Described in the literature as a substance used as an irritant control in patch testing and works well in terms of reproducibility and a high number of patients are reacting to it. The chemical is an anionic surfactant used in many cleaning and hygiene products. The salt is an organosulfate consisting of a 12-carbon tail attached to a sulfate group, giving the material the amphiphilic properties required of a detergent. Being derived from inexpensive coconut and palm oils, it is a common component of many domestic cleaning products.

CAS 151-21-3.

SODIUM METABISULFITE

S-011 $\text{Na}_2\text{S}_2\text{O}_5$ 190.1

Used as a food additive, mainly as a preservative and is sometimes identified as E223. As an additive, it may cause allergic reactions, particularly skin irritation e.g. excema; gastric irritation and asthma. It is present in many dilutable squashes. It is commonly used in homebrewing preparations to sanitize equipment. It is used as a cleaning agent for potable water reverse osmosis membranes in desalination systems. It is also used to remove chloramine from drinking water after treatment. In the brand Stump-Out, it is used in almost a pure form (98%) to cause degradation of lignin, creating pores for fuel adsorption, and consequently, ignition. **CAS** 7681-57-4

Sodium-2-pyridinethiol-1-oxide

S-002 $\text{C}_5\text{H}_4\text{NOSNa}$ 149.14

A bactericide used in cooling fluids and short term -in can-preservation of vinyl acetate latex, paints and synthetic fiber lubricants. Can also be found as a preservative for cosmetic rinse-off products. Also known as Sodium omadine. **CAS** 3811-73-2.

Sodium tetrachloropalladate(II) hydrate

S-017 $\text{Cl}_4\text{Na}_2\text{Pd}\cdot 3\text{H}_2\text{O}$ 348.20

This hapten is a marker for contact allergy to **palladium**. It is an inorganic compound used in among other things in chemical synthesis as a catalyst. It is present in many alloys containing palladium. **CAS** 13820-53-6.

Art. No.	Formula	FW
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Sodium tungstate dihydrate

S-019 $\text{Na}_2\text{WO}_4 \cdot 2\text{H}_2\text{O}$ 329.85

In patch testing Sodium tungstate dihydrate is used to diagnose a contact allergy to **tungsten**. It can be found in incandescent light bulb filaments, X-ray tubes, and electrodes in welding, superalloys, and radiation shielding. About half is used in the form of tungsten carbide, WC. Tungsten's hardness and high density gives it military applications in penetrating projectiles. Tungsten compounds are also often used as industrial catalysts. In medicine, tungsten can be found in medical devices such as joint replacements, intravascular devices and dental implants. Tungsten is also used in jewelry. **CAS** 10213-10-2.

Softisan 649

S-016

SOFTISAN 649 is a partial ester of diglycerin with medium chain fatty acids, isostearic acid, stearic acid, 12-hydroxystearic acid and adipic acid. Used in cosmetics in skin care, baby creams, decorative cosmetics and hair care products as lanolin substitute and as a cream base. **CAS** 130905-60-1.

SORBIC ACID

S-003 $\text{C}_6\text{H}_8\text{O}_2$ 112.13

A preservative (antifungal) found in foods like cheese syrup etc. and in cosmetic and pharmaceutical products. Also used in alkyd coatings and drying oils, adhesives, glues, inks, paints, varnishes, tanning agents, metalworking fluids. **Cross:** potassium sorbate. **ICU, NICU.** **CAS** 110-44-1.

SORBITAN OLEATE

S-004

Monoester of oleic acid and hexitol anhydrides derived from sorbitol. An emulsifier in cosmetic and pharmaceutical ointments and creams. Also known as Sorbitan monooleate and Span 80. **Cross:** SORBITAN SESQUIOLEATE. **CAS** 1338-43-8.

Art. No. Formula FW

SORBITAN SESQUIOLEATE

S-005

Mixed ester of oleic acid and hexitol anhydrides derived from sorbitol. Used as emulsifier in cosmetic and pharmaceutical ointments and creams. **CAS** 8007-43-0.

Spiramycin base

S-012 $C_{43}H_{74}N_2O_{14}$ 842.51

Spiramycin is a macrolide antibiotic which is used to treat toxoplasmosis. Although routinely used in Europe, spiramycin is still considered an experimental drug in the United States. Used in Europe since 2000 year as "Rovamycine", produced by Rhone-Poulenc Rorer, France and Eczacibasi Iiae, Turkey. **CAS** 8025-81-8.

STANNOUS CHLORIDE

S-013 $SnCl_2$ 189.60

This hapten is a marker for contact allergy to **tin**. A solution of tin(II) chloride containing a little hydrochloric acid is used for the tin-plating of steel, in order to make tin cans. $SnCl_2$ also reduces quinones to hydroquinones. STANNOUS CHLORIDE is also added as a food additive with E number E512 to some canned and bottled foods, where it serves as a color-retention agent and antioxidant. It is used in production of ornamental glass called aurene glass. **CAS** 7772-99-8.

STEARYL ALCOHOL

S-006 $C_{18}H_{38}O$ 270.48

A lubricant and antifoam agent in cosmetic and pharmaceutical creams and in textile oils and finishes. **UCU. CAS** 112-92-5.

Styrax

Balsam obtained from the trunk of trees. Contains cinnamates, styrene, etc. Used in perfumery. **Cross: Peru balsam, tincture of benzoin, dieethylstilbestrol. CAS** 8046-19-3.

Art. No. Formula FW

Sulfanilamide

S-010 $C_6H_8N_2O_2S$ 172.21

A topical and vaginal antibiotic of sulfonamide type. **Cross (photo): para group of compounds. May produce erythema multiforme like eruptions. PA. PL. CAS** 63-74-1.

T

Tanacetum vulgare extract

T-033

A strongly aromatic weed growing in uncultivated areas, along roadsides, rivers etc. Grows all over Europe and in North America. Used as a herbal remedy, for seasoning and for making a tea. The oil is used as a vermifuge and in perfumery. Contains the sesquiterpene lactones arbusculin-A and tanacetin. Also known as Tanacetum Vulgare and Tansy. Also available as part of Mx-29A and Mx-29B. **Cross: Other plants within the Compositae family.**

Tantalum

T-047 Ta 180.95

Tantalum is a chemical element. It is widely used as minor component in alloys. Its main use today is in tantalum capacitors in electronic equipment such as mobile phones, DVD players, video game systems and computers. It can also be used in medical implants and bone repair. **CAS** 7440-25-7.

Taraxacum officinale extract

T-032

Taraxacum Officinale (Dandelion) is a weed that grows in open fields, on prairies, in garbage dumps, etc. and spread all over the world. It is a popular folk medicine plant (laxative, diuretic, tonic, etc.). Haptenic substance is taraxin acid glucoside. Also known as Taraxacum Officinale. **Cross: Other plants within the Compositae family. May cause airborne contact dermatitis.**

Art. No.	Formula	FW
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Tea tree oil oxidized

T-035

Oil from distilled leaves of *Melaleuca Alternifolia*. Pale yellowish green oil of a warm spicy aromatic terpenic odor. The oil has served as an antiseptic for many decades but is now also sold as a remedy for various skin and nail conditions. Also present in household products like cleansers, laundry agents and fabric softeners. Some Perfumery Uses: Herbal; Nutmeg; Mint; Pine. Common haptens present are d-limonene, α -terpinene and aromadendrene. **May cause airborne contact dermatitis.**

Tetracaine hydrochloride

T-025 $C_{15}H_{25}ClN_2O_2$ 300.83

Used as topical and local anesthetic. Amethocaine. Also available as part of Mx-13 and Mx-19. **Cross: Amylocaine hydrochloride. CAS 136-47-0.**

Tetraethylene glycol dimethacrylate

T-029 $C_{16}H_{26}O_7$ 330.37

A methacrylate present in adhesives and constitutes the main component in polyethylene glycol dimethacrylate in Loctite anaerobic sealants. **CAS 109-17-1.**

Tetraethylthiuram disulfide

T-002 $C_{10}H_{20}N_2S_4$ 296.54

An accelerator, activator, stabilizer and vulcanizing agent for various rubber products. Also used as a fungicide, seed disinfectant, and alcohol deterrent. Also known as disulfiram, antabuse and TETD. Also available as part of Mx-01. **CAS 97-77-8.**

Tetrahydrofurfurylmethacrylate

T-027 $C_9H_{14}O_3$ 170.21

A methacrylic component used in dental materials such as crown and bridge products. Also used as a component in artificial nails. **CAS 2455-24-5.**

Art. No.	Formula	FW
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Tetramethylthiuram disulfide

T-005 $C_6H_{12}N_2S_4$ 240.44

A rubber accelerator and vulcanizer. Works as a fungicide, disinfectant for seed, bacteriostat in soap, animal repellent, etc. Also known as Thiram and TMTD. Also available as part of Mx-01. **Cross: Tetraethylthiuram monosulfide, Tetraethylthiuram disulfide. CAS 137-26-8.**

Tetramethylthiuram monosulfide

T-006 $C_6H_{12}N_2S_3$ 208.37

An accelerator and activator for natural rubber nitrile-butadiene and butyl rubber. Also known as TMTM. Also available as part of Mx-01. **CAS 97-74-5.**

THIMEROSAL

T-007 $C_9H_9HgNaO_2S$ 404.84

A preservative used in vaccines, antitoxins, skin testing antigens, antiseptics, eyedrop solutions, contact lens solutions, and cosmetic products like eye makeup. Also known as Merthiolate. **CAS 54-64-8.**

Thiourea

T-026 CH_4N_2S 76.12

A photographic fixing agent and stain remover. Can be used as a rubber accelerator and used in the manufacture of resins. Also used as an antioxidant in photocopy paper to prevent discoloration. **May cause airborne contact dermatitis. PA. CAS 62-56-6.**

Tin

T-008 Sn 118.69

A metal used in tin plating, soldering and dental alloys, collapsible tubes. Used in the production of tin salts. **CAS 7440-31-5.**

Art. No.	Formula	FW
Tin(II)oxalate		
S-014	C ₂ O ₄ Sn	206.71

This hapten is a marker for contact allergy to **tin**. Tin(II)oxalate is used as a catalyst (Esterification reactions) and in dyeing and printing textiles etc. **CAS** 814-94-8.

Art. No.	Formula	FW
Tioconazole		
T-034	C ₁₆ H ₁₃ Cl ₃ N ₂ OS	387.71

Tioconazole is an antifungal medication of the Imidazole class used to treat infections caused by a fungus or yeast. Tioconazole ointments serve to treat women's vaginal yeast infections. Tioconazole topical (skin) preparations are also available for ringworm, jock itch, athlete's foot, and tinea versicolor or "sun fungus". **CAS** 65899-73-2.

Art. No.	Formula	FW
Titanium		
T-042	Ti	47.88

A light, strong, lustrous, corrosion-resistant (including resistance to sea water and chlorine) transition metal with a grayish color. Can be alloyed with other elements such as iron, aluminium, Vanadium, molybdenum and others, to produce strong lightweight alloys for aerospace, military, industrial process (chemicals and petrochemicals, desalination plants, pulp and paper), automotive, agri-food, medical (prostheses, orthopaedic implants, dental implants), sporting goods, and other applications. **CAS** 7440-32-6.

Art. No.	Formula	FW
TITANIUM DIOXIDE		
T-040	O ₂ Ti	79.87

This hapten is a marker for contact allergy to **titanium**. Is the naturally occurring oxide of Titanium. When used as a pigment, it is called Titanium white or Pigment White 6. It is noteworthy for its wide range of applications, from paint to sunscreen to food colouring. Used as a white food colouring, it has E number E171. In cosmetic and skin care products, TITANIUM DIOXIDE is used both as a pigment and a thickener. It is also used as a tattoo pigment and styptic pencils. This pigment is used extensively in plastics and other applications for its UV resistant properties where it acts as a UV absorber, efficiently transforming destructive UV light energy into heat. **CAS** 13463-67-7.

Art. No.	Formula	FW
Titanium(III)nitride		
T-039	TiN	61.89

This hapten is a marker for contact allergy to **titanium**. This metal (sometimes known as Tinite) is an extremely hard, ceramic material, often used as a coating on Titanium alloy, steel, carbide, and aluminium components to improve the substrate's surface properties. The most common use for TiN coating is for edge retention and corrosion resistance on machine tooling, such as drill bits and milling cutters. Because of TiN's metallic gold color, it is used to coat costume jewelry and automotive trim for decorative purposes. TiN is also widely used as a top-layer coating, usually with nickel or chromium plated substrates, on consumer plumbing fixtures and door hardware. TiN is non-toxic, meets FDA guidelines and has seen use in medical devices and bio-implants, as well as aerospace and military applications. Coatings of TiN have also been used in implanted prostheses and in dental alloys. **CAS** 25583-20-4.

Art. No.	Formula	FW
Titanium(IV)oxalate hydrate		
T-041	TiC ₄ O ₉ H ₂ · xH ₂ O	241.92 · xH ₂ O

This hapten is a marker for contact allergy to **titanium**. Titanium oxalate could be used as a source for titanium in a process for preparing zinc-alloy-electroplated steel sheets excellent in corrosion resistance comprising electroplating steel sheets. Used in the preparation of a welding flux binder and welding flux comprising the reaction product of a hydrolyzed and polymerized organometallic compound such as metal esters and metal oxalates. A metal salt for testing of allergy to Titanium in dental alloys.

Art. No.	Formula	FW
Tixocortol-21-pivalate		
T-031	C ₂₆ H ₃₈ O ₅ S	462.35

A topical corticosteroid belonging to the group A (hydrocortisone) type of steroids used in nasal sprays for the treatment of rhinitis. Good marker for group A corticosteroid contact allergy. Also available as part of Mx-23. **May cause airborne contact dermatitis.** **Cross:** **Budesonide, Fluocinolone acetonide, Hydrocortisone, Hydrocortisone-17-butylate, Prednisolone Acetate, Triamcinolone acetonide.** **CAS** 55560-96-8.

Art. No.	Formula	FW
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Tobramycin

T-050	$C_{18}H_{37}N_5O_9$	467.51
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This substance is an aminoglycoside antibiotic derived from *Streptomyces tenebrarius* and used to treat various types of bacterial infections, particularly Gram-negative infections. **CAS** 32986-56-4.

TOCOPHEROL

T-036	$C_{29}H_{50}O_2$	430.71
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DL-Alpha-tocopherol is the form of vitamin E that is preferentially absorbed and accumulated in humans. In general, food sources with the highest concentrations of vitamin E are vegetable oils, followed by nuts and seeds including whole grains. Although originally extracted from wheat germ oil, most natural vitamin E supplements are now derived from vegetable oils, usually soybean oil. Vitamin E is widely used as an inexpensive antioxidant in cosmetics and foods. Vitamin E containing products are commonly used in the belief that vitamin E is good for the skin; many cosmetics include it, often labeled as tocopherol acetate, tocopheryl linoleate or tocopheryl nicotinate. Some individuals experience allergic reactions to some tocopheryl esters or develop a rash and hives that may spread over the entire body from the use of topical products with alpha tocopheryl esters. **CAS** 10191-41-0.

TOCOPHERYL ACETATE

T-037	$C_{31}H_{52}O_3$	472.75
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Tocopheryl acetate, also known as vitamin E acetate, is a common vitamin supplement. It is the ester of acetic acid and tocopherol (vitamin E). It is often used in dermatological products such as skin creams. Tocopheryl acetate is used as an alternative to tocopherol itself because the phenolic hydroxyl group is blocked, providing a less acidic product. It is believed that the acetate is slowly hydrolyzed once it is absorbed into the skin, regenerating tocopherol and providing protection against the sun's ultraviolet rays. **CAS** 7695-91-2.

TOLUENE-2,5-DIAMINE

T-049	$C_7H_{10}N_2$	122.17
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This substance is used in hair dye products. **CAS** 95-70-5.

Art. No.	Formula	FW
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TOLUENE-2,5-DIAMINE SULFATE

D-002	$C_7H_{10}N_2H_2SO_4$	220.25
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The primary intermediate in various permanent hair dyes Also known as 4-Toluenediamine, 2,5-Diaminotoluene sulfate and PTD. **CAS** 615-50-9.

Toluene-2,4-diisocyanate

T-009	$C_9H_6N_2O_2$	174.15
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Used in the production of polyurethane foams, elastomers, adhesives, printing plates, etc. Also known as TDI. **May cause allergic asthma.** **CAS** 584-84-9.

Toluenesulfonamide formaldehyde resin

T-010		
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A modifier and adhesion promotor used for film forming natural and synthetic resins. Occurs in vinyl lacquers, nitrocellulose compositions (e.g., nail lacquers), PVA adhesives, acrylics. **CAS** 1338-51-8.

4-Tolyldiethanolamine

T-011	$C_{11}H_{17}NO_2$	195.26
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An amine accelerator for the polymerization of e.g. dental acrylic composite restorative materials. **CAS** 3077-12-1.

Treemoss absolute

E-026		
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This is a chemical extract of the treemoss plant *Evernia Furfuracea* and oak moss. Used in perfumes, cosmetics, moisturizers, fragrance for men, body powder, sunscreen products, lipsticks, shampoos and soaps among others. The raw material for this product is made from an hexane extraction of the moss giving a concrete, then the absolute is obtained by extracting the concrete with ethanol. The moss used is *Pseudevernia furfuracea* & *usnea barbata*. Also known as *Evernia furfuracea*. **NOTE: The preparation is based on the raw material of treemoss absolute that has not been subject to chemical reduction of atranol and chloroatranol.** **CAS** 94944-93-1

Art. No. Formula FW

Triamcinolone acetonide

T-030 C₂₄H₃₁FO₆ 434.49

A topical and systemic corticosteroid belonging to the group B (triamcinolone acetonide) type of steroids. **Cross:** **Budesonide, Fluocinolone acetonide, Hydrocortisone, Hydrocortisone-17-butylate, Prednisolone Acetate, Tixocortol-21-Pivalate.** **CAS** 76-25-5.

3,4,5-Tribromosalicylanilide (TBS)

T-012 C₁₃H₈Br₃NO₂ 449.96

A bacteriostatic agent found in detergents and soaps, disinfectants, pet flea powders. Also known as Tribromosalan. **Cross (photo):** **Bithionol and other halogenated salicylanilides, TRICLOCARBAN, hexachlorophene, fentichlor. PA, PT. CAS** 87-10-5.

TRICLOCARBAN

T-013 C₁₃H₉Cl₃N₂O 315.59

a bacteriostat and antiseptic agent found in soaps and other cleansing compositions. Used as a disinfectant. Also known as 3,4,4-Trichlorocarbanilide and TCC. **Cross (photo):** **bithionol and other halogenated salicylanilides. PA. PT. May cause pigmentation of the face. CAS** 101-20-2.

TRICLOSAN

T-014 C₁₂H₇Cl₃O₂ 289.53

A preservative found in cosmetic products, soaps, detergents, shampoos, bath additives, deodorants, foot powders and sprays, disposable paper products, antiodor insoles and hose, laundry products. Also used in the treatment of textiles and as antifungal agent in PVC wetroom carpets. Also known as Irgasan DP 300. **PA.** **CAS** 3380-34-5.

Art. No. Formula FW

Tricresyl phosphate

T-015 C₂₁H₂₁O₄P 368.36

A plasticizer found in vinyl plastics, spectacle frames. Used as a flame retardant and additive to extreme pressure lubricants. Can also be used as solvent for nitrocellulose, etc. **CAS** 1330-78-5.

TRIETHANOLAMINE

T-016 C₆H₁₅NO₃ 149.19

A surface-active agent found in soaps, shampoos, creams, waxes, cutting oils etc. Used in making emulsions with mineral and vegetable oils. **CAS** 102-71-6.

Triethylene glycol diacrylate

T-017 C₁₂H₁₈O₆ 258.28

A cross-linking acrylate monomer used in coatings, adhesives, and in printing plates of photopolymer type. Also known as TEGDA. **CAS** 1680-21-3.

Triethylene glycol dimethacrylate

T-018 C₁₄H₂₂O₆ 286.33

A methacrylic monomer used as cross-linking agent for adhesives and dental restorative materials. Also known as TEGDMA and TREGDMA. **CAS** 109-16-0

Triethylenetetramine

T-019 C₆H₁₈N₄ 146.23

Used as epoxy curing agent, lubricating oil additive, chelating and analytical agent. Also known as TETA. **CAS** 112-24-3.

Triglycidyl isocyanurate

T-028 C₁₂H₁₅N₃O₆ 297.27

Trifunctional epoxy compound used as cross-linker in heat-cured polyester paints used for laminated sheetings, printed circuits, tools, inks, adhesives, lining materials etc. Also known as TGIC. **May cause airborne contact dermatitis. CAS** 2451-62-9.

Art. No.	Formula	FW
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2,2,4-Trimethyl-1,2-dihydroquinoline

T-020 $C_{12}H_{15}N$ _n

An antioxidant used in rubber and plastic materials. Also used in hydraulic fluids and greases. Also known as Flectol H and Agerite resin D. **CAS** 26780-96-1

Trimethylolpropane triacrylate

T-021 $C_{15}H_{20}O_6$ 296.31

A triacrylate used in UV-curable lithographic inks, varnishes, artificial nails, wood finish solder, and etch resists in the electronics industry. Also known as TMPTA. **CAS** 15625-89-5.

Trimethylolpropane triglycidyl ether

T-038 $C_{15}H_{26}O_6$ 302.36

A trifunctional glycidyl ether of trimethylolpropane. It is used as a general purpose diluent to reduce the viscosity of epoxy resins and provides excellent crosslinking with good reactivity used in adhesives and coatings. **CAS** 30499-70-8.

3,4,4-Trimethyl-oxazolidine

Comp. in D-015 $C_6H_{15}NO$ 115.18

Component in Bioban CS 1135, a preservative (2.5%) used in latex paints, resin emulsions, and cooling fluids. D-015: **Bioban CS 1135**: also contains 4,4-Dimethyloxazolidine. Neither of the substances can be ordered separately.

2,4,6-Tris(dimethylaminomethyl)phenol

T-048 $C_{15}H_{27}N_3O$ 265.39

This chemical is a tertiary amine activator for epoxy resins. Used in coatings, flooring, adhesives, castings, potting and encapsulation. **CAS** 90-72-2.

Art. No.	Formula	FW
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TRIS(HYDROXYMETHYL)NITROMETHANE

H-015 $C_4H_9NO_5$ 151.12

A bactericide and slimicide used in cooling fluids, paper and pulp industry. Also used as curing agent for certain adhesives. Also known as Tris Nitro and 2-Hydroxymethyl-2-nitro-1,3-propanediol. **CAS** 126-11-4.

Triphenyl phosphate

T-022 $C_{18}H_{15}O_4P$ 326.28

A plasticizer in plastics (e.g., cellulose acetate) lacquers, varnishes, etc. Also used in impregnating roofing paper. **CAS** 115-86-6.

Tri(propylene glycol) diacrylate

T-023 $C_{15}H_{24}O_6$ 300.36

A diacrylate monomer for use in UV-curable flexographic and silk screen inks, wood-finish varnishes, coatings on plastics, etc. Also known as TPGDA. **CAS** 42978-66-5.

Tungsten

T-043 W 183.84

Tungsten, also known as Wolfram, is a metal with a wide range of uses, the largest of which is as Tungsten carbide (W₂C, WC) in cemented carbides. Cemented carbides (also called hardmetals) are wear-resistant materials used by the metalworking, mining, petroleum and construction industries. Tungsten is widely used in light bulb and vacuum tube filaments, as well as electrodes, because it can be drawn into very thin wire with a high melting point. Tungsten is used in material for implanted electrodes and in orthopaedic and dental implants as well as in coils to treat intracranial aneurysms. **CAS** 7440-33-7

Turpentine oil oxidized

T-024

Mixture of hydroperoxides of terpenes found in oil of turpentine. Main hapten is the hydroperoxide of δ-3-carene. Used in solvents or lacquers for printing, etching and art painting. Found in sealing wax, coolants, tapes, polish, metal cleaners, deodorizers, paints, and cosmetics. **Cross:** Chrysanthemum, pyrethrin. **May cause airborne contact dermatitis.**

Art. No.	Formula	FW
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U

Urea formaldehyde resin

U-001	$C_3H_8N_2O_3$	120.11
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A textile finish resin of formaldehyde type for treatment of, e.g., cotton and rayon materials. Also used in wood glue industry. **CAS** 9011-05-6.

Urethane diacrylate, aromatic

Deleted 2019	1000
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An UV-reactive prepolymer based on an acrylated aromatic isocyanate. Used in curable coatings, inks and varnishes. Also known as Ebecryl 220. Contains also pentaerythritoltriacrylate and pentaerythritoltetraacrylate.

Urethane dimethacrylate

U-004	$C_{23}H_{38}N_2O_8$	470.56
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A methacrylate based on a methacrylated aliphatic isocyanate. Used in dental bonding agents, resin veneering, and restorative materials. Also known as UDMA. **CAS** 72869-86-4.

(+)-Usnic acid

U-005	$C_{18}H_{16}O_7$	344.31
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An antibacterial substance found in many lichens. Occurs in oak moss absolute which is used as fragrance. Used as a preservative in deodorants, antiacne formulations, and as antibiotic for topical application. Also available as part of Mx-15. **Cross: oak moss. May cause airborne contact dermatitis.** **CAS** 7562-61-0

Art. No.	Formula	FW
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V

Vanadium

V-002	V	50.94
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Vanadium is soft and ductile element, which occurs naturally in certain minerals and is used mainly to produce certain alloys. Approximately 80% of Vanadium produced is used as ferrovanadium or as a steel additive. Other uses: In such alloys as specialty stainless steel, e.g. for use in surgical instruments and tools. Such tools are rust resistant and high speed tool steels. Mixed with aluminium in Titanium alloys used in jet engines and high-speed airframes. Used in dental alloys. Vanadium steel alloys are used in axles, crankshafts, gears, and other critical components. It is an important carbide stabilizer in making steels. Vanadium foil is used in cladding Titanium to steel. **CAS** 7440-62-2.

Vanadium(III)chloride

V-003	VCl_3	157.30
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This hapten is a marker for contact allergy to **vanadium**. Used as a catalyst in the polymerization of olefins, epoxy, phenolic and silicone resins. For testing purpose this is also used to test allergy for Vanadium. Vanadium is used in applications for bicycle parts, glass coatings and jewelry. It can also be found in dental implants. **CAS** 7718-98-1.

Vanadium(V)oxide

V-005	V_2O_5	181.88
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This hapten is a marker for contact allergy to **vanadium**. A principal precursor to alloys of vanadium and is a widely used as an industrial catalyst. It can also be found in air care products, floor coverings, paints and coatings. For testing purpose this is also used to test allergy for Vanadium. Vanadium is used in applications for bicycle parts, glass coatings and jewelry. It can also be found in dental implants. **CAS** 1314-62-1.

Art. No. Formula FW

Vancomycin hydrochloride

V-004 $C_{66}H_{75}C_{12}N_9O_{24} \cdot HCl$ 1485.71

This substance is an antibiotic used to treat a number of bacterial infections. It is used as a first-line treatment for complicated skin infections, bloodstream infections, endocarditis, bone and joint infections, and meningitis caused by methicillin-resistant *S. aureus*. **CAS** 1404-93-9.

VANILLIN

V-001 $C_8H_8O_3$ 152.14

A flavoring agent found in beverages, confectionery, foods, galenicals. Used in perfumery, pharmaceuticals and also as chemical reagent. Also known as Vanillin. **Cross:** COUMARIN, Propolis. **ICU:** **CAS** 121-33-5.

W

X

m-Xylenediamine

X-001 $C_8H_{12}N_2$ 136.19

The chemical is an intermediate in the production of epoxy curing agents, polyamides and polyurethanes. Due to the chemical binding processes that occur during curing, finished products do not contain the chemical. The substance is also not present in the industrial intermediates used in the production of polyamides and polyurethanes, but a few percent is present in the epoxy curing agent. The great majority of the epoxy curing agent is assumed to be used by industrial or professional users. Greater than 99.9% of the substance is used in three categories: polyamide (major), epoxy curing agent, and polyurethane production. Also known as 1,3-bis(aminomethyl)benzene. **CAS** 1477-55-0.

Art. No. Formula FW

Y

Ylang ylang oil

Y-001

This substance is used in soap perfumes and in general perfumery as a floral additive of extremely versatile application. It blends with almost any other floral natural or synthetic material and gives good effects in a concentration of 0.5% up to about 5% of the perfume base. The fragrance is also used in washing detergents, hair products and skin powder. The oil is steam distilled from the flowers of *Cananga odorata* genuine. Fractions of the oil are collected over the course of distillation to obtain different grades. The first and finest fraction is called ylang-ylang oil. The oil has a very sweet tropical floral scent, smells like a combination of Jasmine and bitter almond-peppermint. Main chemical components are Linalool, p-Cresyl methyl ether, beta-Caryophyllene, Geranyl acetate, Methyl benzoate, Benzyl benzoate, Farnesol, Geraniol, Isoeugenol, Eugenol and Citral. Also known as CANANGA ODORATA OIL. **Cross:** Benzyl salicylate, geranial. **May cause pigmentation of the face.** **CAS** 8006-81-3.

Z

Zinc

Z-001 Zn 65.38

Zinc metal is included in most single tablet over-the-counter daily vitamin and mineral supplements. Zinc is the fourth most common metal in use, trailing only iron, aluminium, and copper in annual production. Zinc is used to galvanize steel to prevent corrosion. Zinc is used to Parkerize steel to prevent rust and corrosion and used in alloys such as brass, nickel silver, dental alloys, typewriter metal and various soldering formulas. Zinc is the primary metal used in making some coins and used in die casting notably in the automobile industry. Zinc is used as part of the containers of batteries. The most widespread such use is as the anode in alkaline batteries. **CAS** 7440-66-6.

Art. No.	Formula	FW
ZINC CHLORIDE		
Z-007	Cl ₂ Zn	136.28

This hapten is a marker for contact allergy to **zinc**. Other uses are as a deodorant and as a wood preservative. **CAS** 7646-85-7.

Art. No.	Formula	FW
ZINC DIBUTYLDITHIOCARBAMATE		
Z-002	C ₁₈ H ₃₆ N ₂ S ₄ Zn	474.14

An activator, antidegradant and accelerator for natural rubber, butadiene, styrene-butadiene, nitrile-butadiene, butyl rubber, and ethylene-propylene-diene terpolymers. Also known as ZBC. Also available as part of Mx-06. **CAS** 136-23-2.

Art. No.	Formula	FW
Zinc diethyldithiocarbamate		
Z-003	C ₁₀ H ₂₀ N ₂ S ₄ Zn	361.91

An activator and accelerator for natural rubber, styrene-butadiene, nitrile-butadiene, and butyl rubber. Also known as ZDC. Also available as part of Mx-06. **ICU**. **CAS** 14324-55-1.

Art. No.	Formula	FW
Zinc dimethyldithiocarbamate		
Z-004	C ₆ H ₁₂ N ₂ S ₄ Zn	305.82

An activator and accelerator for natural rubber, styrene-butadiene, and butyl rubber. An agricultural fungicide used for seeds, plants, and fruit. Also known as Ziram. **CAS** 137-30-4.

Art. No.	Formula	FW
Zinc ethylenebis-(dithiocarbamate) (Zineb)		
Z-005	C ₄ H ₆ N ₂ S ₄ Zn	275.75

A fungicide used in cooling fluids and as pesticide for seeds, plants, and fruit. Also known as Zineb. **CAS** 12122-67-7.

Art. No.	Formula	FW
ZINC PYRITHIONE		
Z-006	C ₁₀ H ₈ N ₂ S ₂ O ₂ Zn	317.70

An antifungal, antibacterial and antiseborrheic agent used in many shampoos and hair creams. Also known as Zinc omadine. **Reactions may lead to photosensitive eczema and actinic reticuloid syndrome**. **CAS** 13463-41-7.

Art. No.	Formula	FW
Zirconium(IV)chloride		
Z-008	Cl ₄ Zr	233.03

This hapten is a marker for contact allergy to **zirconium**. This metal salt is a white high-melting solid which hydrolyzes rapidly in humid air. It is used to make water-repellent textiles and can also be used in implants. **CAS** 10026-11-6

Art. No.	Formula	FW
ZIRCONIUM DIOXIDE		
Z-009	ZrO ₂	123.22

This hapten is a marker for contact allergy to zirconium. This chemical is a ceramic material and the most natural form of the element Zirconium. It is found in insulation, abrasives, enamels, ceramic glazes, and as diamond substitute in jewelry. It is also used in the construction of dental restorations such as crowns and bridges. It can also be used as radio-opaque material in bone cement. In orthopedic surgery bone cement is used to fix metal implants such as hip- and knee replacements. **CAS** 1314-23-4.

Catalogue amendments February 2026

New products In Series

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Deleted products In Series

I-010A	Ibuprofen 10.0% pet	CAD
C-043	Ciprofloxacin hydrochloride 10.0% pet	CAD
H-029	Hydrochlorothiazide 10.0% pet	CAD

CAD-1000	I-010A	Removed
	C-043	Removed
	H-029	Removed
	pos 13	C-043 replaced with L-009
	pos 25	H-029 replaced with C-053
	pos 29-31	Removed

Catalogue amendments February 2025

New products In Series

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Deleted products In Series

FIN-1000	Finnish Standard Series	
HU-1000	Hungarian Standard Series	
INF-1000	Indian Footwear Series	
INC-1000	Indian Cosmetic and Fragrance Series	
E-010	ETHYLPARABEN 3.0% pet	
Mx-27	Thiourea mix 1.5% pet	FIN
D-012	Dimethylol dihydroxy	TF
Mx-30	Textile dye mix 6.6% pet	S, ECB, IS TF, ABS, BS, CB, NZBS, PB, SB, SS

Hapten Series Amendment

S-1000	Mx-30	Removed
	Mx-32	Added

ECB-1000	Mx-30	Removed
	Mx-32	Added
TF-1000	D-012	Removed
	Mx-30	Removed
	Mx-32	Added
	Pos 8	D-012 replaced with D-051
IS-1000	L-003	Removed
	Mx-30	Removed
	Mx-32	Added

Catalogue amendments February 2024

New products In Series

BIQ-U	BasIQ Ultra	n/a
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Deleted products In Series

C-016	Coal tar 5.0% pet	
D-028	Disperse Blue 85 1.0%pet	TF
M-005	Mercury 0.5% pet	MET, IMP, DS, DMP, DMS
		TF, NAC, ICB, AC
Mx-16	Ethyleneurea, melamine formaldehyde mix 5.0% pet	NAE
NAE-65	Series deleted	PG, IS
P-005	Phenol formaldehyde resin (PFR2) 1,0% pet	
S-008	Styrox 2,0% pet	F

Hapten Series Amendment

DS-1000	M-005	Removed
	M-022	Added
DMP-1000	M-005	Removed
	M-022	Added
DMS-1000	M-005	Removed
	M-022	Added
IMP-1000	M-005	Removed
MET-1000	M-005	Removed
	M-022	Added
METE-1000	M-022	Removed

F-1000	S-008	Removed		Mx-16	Removed
PG-1000	P-005	Removed		B-022	Removed
IS-1000	P-005	Removed		G-005A	Removed
TF-1000	Mx-16	Removed		G-004	Removed
	D-028	Removed		T-016	Removed
AC-1000	Mx-16	Removed		Mx-30	Removed
NA-1000	B-004	Removed		D-036	Removed
	Mx-30	Removed		I-003	Removed
	C-014	Removed		H-032A	Removed
	Y-001	Removed		D-057	Removed
	D-047B	Removed		P-013	Removed
	D-049E	Removed		Mx-26	Removed
	G-003B	Removed		F-003	Removed
	H-032A	Removed		D-005B	Removed
	Mx-26	Removed		B-007	Removed
	H-031A	Removed		I-009	Removed
	A-011	Added		O-007A	Removed
	B-008B	Added		H-031A	Removed
	C-019	Added		A-011	Added
	C-028	Added		B-003B	Added
	D-002	Added		D-002	Added
	H-031B	Added		H-023C	Added
	H-032B	Added		H-031B	Added
	L-002B	Added		H-032B	Added
	L-004	Added		I-004	Added
	M-003B	Added		L-004	Added
	Mx-04	Added		Mx-04	Added
	Mx-19	Added		Mx-19	Added
	Mx-32	Added		Mx-32	Added
	P-039	Added		P-021	Added
	S-011	Added		P-026	Added
	T-035B	Added		P-039	Added
	A-029	Added		S-001	Added
	B-027	Added		S-004	Added
	C-005	Added		S-005	Added
	D-053	Added		S-011	Added
NAC-80 /	D-032	Removed		W-001	Added
ICB-1000	G-003B	Removed		B-027	Added
	T-007	Removed		C-005	Added
	H-014C	Removed		D-053	Added

