

TECHNICAL DATA SHEET

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Apex Plus reinforce foamed mineral - PVC decking.

Apex Plus sets the standard for natural looking composite. Its mineral foamed-PVC and glass fiber-reinforced core allows for increased span capability. Low-maintenance Apex Plus is more stable with less expansion and contraction and requires only basic cleaning for optimal longevity. Its protective cap is made from a resilient acrylic polymer coating, offering long-term fade, scratch, and stain resistance. Apex Plus also provides decay resistance against insects, moisture, and the elements.

Product name:	Apex Plus reinforced foamed mineral – PVC decking
Product use:	Primarily used in decking, fascia, and similar applications
Material:	Glass fibre reinforced mineral and PVC composite
Material description:	Co-extruded profiles with an acrylic cap around a foamed mineral-polymer composite core

Document guide

Eva-Last strives to evaluate their products in depth and present the technical and safety information available in a manner that assists with the application thereof. If additional data or information is required, please do not hesitate to contact us at rad@eva-last.com.

In an attempt to simplify the information, similar data is loosely grouped into the categories summarised below. This document is ordered according to these categories and the applicable page number for the start of each section captured in the Table of contents above.

- Material composition
- Physical properties
- Mechanical properties
- Thermal properties
- Fire reaction properties
- Weathering properties
- Surface properties

The material compositions section captures a summary of the product make-up from the Material Safety Data Sheet (MSDS). A link to the MSDS is provided for additional detail. Summaries of chemical compliance data available are also collected in this section.

The physical properties section provides a summary of available profiles and general material properties such as density, water absorption, etc. Additional profile information can be obtained from drawings in the appropriate Appendix. Where possible, material properties that can be assigned to more specific categories are moved to the relevant section.

The mechanical properties section captures data related to the products reaction to various load conditions. The section is broadly assembled into the below categories. Additional profile and sectional information are captured by the drawings in the appropriate appendix.

- Material specific mechanical properties
- Profile specific mechanical properties
- Sectional properties

Product properties such as the expansion coefficient, thermal resistance, etc. are captured, where applicable, in the thermal properties section.

Information regarding the products reaction to fire is captured in the fire reaction properties section.

Test data relating to the acoustic performance of the product is summarised in the acoustic properties section.

Information on the products resistance to mould, termites, etc. is collected in the biodegradation properties section.

The surface properties section summarises information regarding the finish or texture of the product. Test data on aspects such as slip resistance (where applicable) is captured in this section.



Where the products form part of a system and, as a result, utilise other components, an additional section to capture useful data regarding these components has been added to this document.

Where information is not yet available, has been omitted. In the cases where information can be substituted or supplemented with alternative data (based on similar compositions, etc.) an attempt to do so is made. Where this is the case, it is highlighted. Please make use of the data accordingly. For any additional information regarding this, please feel free to contact rad@eva-last.com.

Ensure the product and application thereof is suitable, rational, and compliant with any applicable regulations or standards. Wherever necessary, consult a suitably qualified professional. For information about the installation and use of the product, please see the applicable Installation Guide (IG). For additional material safety and handling information, please refer to the applicable MSDS. For any further information, please contact rad@eva-last.com.

Material composition

The following table is a simplified material composition for the Apex Plus material technology. For more information regarding the composition, safety, and handling of the material, please see the Apex Plus MSDS. Please also refer to the safety section and the Safe Working Procedure (SWP) in the Installation Guide (IG) for additional information related to the safe use of these products. To confirm which substances are compatible, or incompatible, with the product, please refer to **Appendix B**.

Component	Substance	Mass(%)
	Poly chloroethylene (PVC)	50%
Care	Calcium carbonate	31%
Core	Acrylonitrile-butyl acrylate-styrene copolymer	9%
	Glass fibre	1%
Additional additives	Other	9%
Сар	РММА	



Physical properties

General material properties

Typical properties of the Apex Plus material technology are captured below:

Properties	Results	Test method	Information
Density	650 to 760 kg/m ³ (40.58 to 47.45 lb/ft ³)	ASTM D2395	Results are based on internal testing.

Profile properties

The following table is a summary of the currently available profiles, please see Appendix A for profile drawings.



Code	Description	Board width (mm)(inch)	Thickness (mm)(inch)	Mass per meter (kg/m)(lb/ft)	Cover width ⁽¹⁾ (mm)(inch)	Coverage ⁽²⁾ (m/m ²)(ft/ft ²)
STTHMZQ128	Grooved deck board	144.9 (5.71)	21 (0.83)	2.2 (1.48)	6.6 (2.02)	14.6 (3)
STTHMZQ102	Square edged deck board	140 (5.52)	24.4 (0.97)	2.6 (1.75)	6.8 (2.08)	17.53 (3.6)
STTHMZQ103	Grooved deck board	140 (5.52)	24 (0.95)	2.5 (1.68)	6.8 (2.08)	16.61 (3.41)
STTHMZQ116	Grooved deck board	190 (7.49)	24 (0.95)	3.5 (2.36)	5.1 (1.56)	17.86 (3.66)
STTHMZQ123	Square edged deck board	190 (7.49)	24 (0.95)	3.6 (2.42)	5.1 (1.56)	18.27 (3.75)
STTHMZQ134	Grooved deck board	140 (5.52)	22.5 (0.89)	2.4 (1.62)	6.8 (2.08)	16.6 (3.4)
STTHMZQ135	Grooved deck board	190 (7.49)	22.5 (0.89)	3.3 (2.22)	5.1 (1.56)	17 (3.49)
STTHMZQ136	Starter deck board	140 (5.52)	22.8 (0.9)	2.5 (1.68)	6.8 (2.08)	17.1 (3.51)
STTHMZQ137	Starter board	190 (7.49)	22.8 (0.9)	3.4 (2.29)	5.1 (1.56)	17.4 (3.57)

(1) Coverage width = Board width + an assumed typical gap of 6 mm.

(2) Coverage = 1000/Coverage width

(3) Coverage = Coverage x mass per meter.



Mechanical properties

Material specific mechanical properties

All information within this table is currently based on internal laboratory results of Apex. Apex Plus and Apex share the same cap material.

Properties	Result	Test method	Information
Abrasion resistance	116 mg/c (0.004092 oz/c)	ASTM D4060	An abrasive wheel carrying a 1 kg (2.2 lb) load and rotating at 60 rotations a minute was applied to the surface of the profile. The product of the abrasion was then weighed after 1000 rotations.
Hardness	82	Shore D	The listed hardness is in relation to the ASA cap of the Apex material. The depth of penetration of a specific indenter is measured. Results greater than 60 fall under the category "Extra hard"
Modulus of Elasticity (MOE)	2344 to 2 903.3 MPa (339 880 to 420 978.5 lbf/in²)	GB/T 17657	As the modulus of elasticity is a material property as well as a flexural property, the following information has been provided as a summary of the flexural performance tests below. MOE can be dependent on profile.

Profile flexural properties

Flexural properties of polymer composites can be influenced by the profile geometry and span. Typical properties of the Apex Plus material technology are captured below based on internal test results. See **Appendix A** for profile details.

Profile	Span (mm)(in)	Ultimate Load (kN)(lbf)	Modulus of rupture MOR (MPa) (lbf/in²)	Modulus of elasticity MOE (MPa) (Ibf/in²)	Test method	Information
	300	10.7	60.4	2 903.3		
	(11.81)	(2 405.36)	(8 758.0)	(420 978.5)		
STTHMZQ103	400	8.5	63.6	2 629.5		
3 Point test	(15.75)	(1910.80)	(9 222.0)	(381 277.5)		
	500	7.4	64.6	2 702.6		the flexural performance
	(19.69)	(1663.52)	(9 367.0)	(391877.0)		of STTHMZQ103 profiles at
	300	17.2	64.6	2 670.1	BS EN 15534-1	varying spans. Further testing
	(11.81)	(3 866.56)	(9 367.0)	(387 164.5)		is underway for Apex Plus
STTHMZQ103	400	12.8	63.9	2 569.0		materials.
4 Point test	(15.75)	(2877.44)	(9 265.5)	(372 505.0)		
	500	8.6	53.7	2 342.3		
	(19.69)	(1933.28)	(7 786.5)	(339 633.5)		

Material weathering factor

Material properties can vary because of long-term weathering. To estimate this impact on the material's flexural properties, the product is subjected to various weathering effects and the performance with and without weathering is compared. The overall end-use adjustment factor is selected based on the weathering effect that has the most impact on the material.

Typical properties of the Apex material technology are captured below as an indication of the expected behaviour of the Apex Plus material. It is anticipated that the glass fibre reinforcing sheets of the Apex Plus material technology would improve the performance of the high temperature effect results below.

Weathering effect	MOR (%)	MOE (%)	Adjustment factor	Test method	Information	
High temperature effect	18%	24%	0.76			
Low temperature effect	-26%	-14%	1.00		To confirm compliance with ICC-ES, AC 174, Apex materials were evaluated for a decking application to determine	
Moisture effect	-3%	4%	0.96	ASTM D7032 - 17,	what affect temperature, moisture and UV exposure had on the flexural performance of the material in accordance with the test methods listed. The end use	
UV effect	-6%	1%	1.00	and		
Freeze-thaw effect	1%	13%	0.97	ASTM D790.	adjustment factor is based on the effect with the most impact. The results of which can be located within the	
Overall end-use adjustment factor			0.76		issued CCR report, here.	

Sectional properties

The following table provides a sectional property summary of the currently available Apex Plus profiles in their typical board orientation. Please see **Appendix A** for profile drawings and further information.



Profile details			Moments of inertia		Centroid		Elastic sectional modulus			
Profile ID	Application	Width (mm)(in)	Thickness (mm)(in)	Area (mm²)(in²)	l _x (mm ⁴)(in ⁴)	ا _ي (mm ⁴)(in ⁴)	C _x (mm)(in)	C _y (mm)(in)	S _x (mm³)(in³)	S _y (mm³)(in³)
STTHMZQ128	Decking	144.9 (5.71)	21.0 (0.83)	2 932 (4.55)	110 992 (0.27)	4 790 388 (11.51)	72.5 (2.86)	10.5 (0.41)	10 566 (0.65)	66 120 (4.04)
STTHMZQ102	Decking	140.0 (5.51)	24.4 (0.96)	3 412 (5.29)	168 994 (0.41)	5 562 469 (13.36)	70.0 (2.76)	12.2 (0.48)	13 852 (0.85)	79 464 (4.85)
STTHMZQ103	Decking	140.0 (5.51)	24.0 (0.95)	3 234 (5.01)	160 415 (0.39)	4 949 191 (11.89)	70.0 (2.76)	12.0 (0.47)	13 368 (0.82)	70 703 (4.31)
STTHMZQ116	Decking	190.0 (7.48)	24.0 (0.95)	4 434 (6.87)	218 015 (0.52)	12 688 553 (30.49)	95.0 (3.74)	12.0 (0.47)	18 168 (1.11)	133 564 (8.15)
STTHMZQ116	Decking	190.0 (7.48)	24.0 (0.95)	4 556 (7.06)	218 411 (0.53)	13 686 586 (32.88)	95.0 (3.74)	12.0 (0.47)	18 201 (1.11)	144 069 (8.79)
STTHMZQ134	Grooved deck board	140.0 (5.51)	22.5 (0.89)	3 029 (4.70)	131 999 (0.32)	4 615 658 (11.09)	70.0 (2.76)	11.3 (0.45)	11 733 (0.72)	65 938 (4.02)
STTHMZQ135	Grooved wide	190.0 (7.48)	22.5 (0.89)	4 154 (6.44)	179 460 (0.43)	11 854 665 (28.48)	95.0 (3.74)	11.3 (0.45)	15 952 (0.97)	124 786 (7.61)
STTHMZQ136	Starter standard	140.0 (5.51)	22.8 (0.90)	3 127 (4.85)	137 579 (0.33)	4 923 877 (11.83)	71.3 (2.81)	11.4 (0.45)	12 068 (0.74)	69 063 (4.21)
STTHMZQ137	Starter board	190.0 (7.48)	22.8 (0.90)	4 267 (6.61)	186 964 (0.45)	12 484 570 (30.00)	96.3 (3.79)	11.4 (0.45)	16 400 (1.00)	129 629 (7.91)



Thermal properties

Typical properties of the Apex Plus material technology are captured below

Properties	Results	Test method	Information
Coefficient of thermal expansion (CTE)	35.0 x 10⁻⁵ mm/mm.°C	ASTM D696-16	Results are based on Apex Plus materials.

Fire reaction properties

Typical properties of Apex Plus material. Additional properties of Apex technologies are captured below as an indication of the expected behaviour of the Apex Plus material.

Apex plus

Standard	Properties	Result	Requirement	Test Method	Information
EN 13501	Class	E _n	Less than 150 mm in 20 seconds.	EN 9239 and ISO 11925	Test was conducted on Apex plus STTHMZQ128 material in a decking application. See link here.

Apex single cap

Standard	Properties	Result	Requirement	Test Method	Information		
EN 13501	Critical heat flux	11 kW/m ²	Greater than 8.0 kW/m²				
	Smoke production	254.0%.min	Less than 750%.min	EN 9239 and	Test was conducted on Apex material in a decking application. Profile STPVB103 was tested with a single cap layer. The report can be found here.		
	Flame spread (Fs)	Yes	Less than 150 mm in 20 seconds.	ISO 11925			
	Class	Class BfI - s1					

Apex dual tone

Standard	Properties	Result	Requirement	Test Method	Information
	Flame spread index (FSI)	35	Less than 200		Test was conducted on Apex deck
ICC-ES AC 174	Smoke development index	1300	Less than 450	ASTM E84	boards with a dual cap technology.
					The results of which can be located
		. 500			within the issued CCR report, here.



Standard	Properties	Result		Requirement	Test Method	Information
	Smoke production	728%.min		Less than 750%.min		
	Flame spread (Fs)	10 min	500 mm	Less than 150 mm in 20 seconds.		
EN 13501		20 min	660 mm		EN 9239 in a decking application	
		30 min	760 mm			Test was conducted on Apex material
	Critical heat flux	1.8 kW/m ²		Greater than 3.0 kW/m²	and ISO 11925	technology was tested. Report can be found, here.
	Heat flux (HF)	10 min	3.8 kW/m ²			
		20 min	2.4 kW/m ²			
_		30 min	1.8 kW/m ²		-	
	Maximum light attenuation	92%			-	
	Class	E _{fl-} s1				

Standard	Properties	Result	Requirement	Test Method	Information
	Effective net peak release rate	147.8 kW/m ²	269 kW/m ²	_	Effective net peak heat release rate
	Sustained flaming	Pass	40 min	SFM 12-7A-4A Decking –	of less than or equal to 269 kW/m².
WUI		_	No falling		Sustained flaming or glowing combustion of any kind of at the conclusion of the 400-minute observation period was not present.
	Absence of failing particles	Pass	particles		Absence of falling particles that are still burning when reaching the burner or floor.
	Classification	Pass			STTHM103 Grooved, Half capped profile. Link can be found, here.



Weathering

The environment to which materials are exposed influences how quickly the material will weather (or deteriorate). This includes degradation factors like UV exposure, oxidation or contact with organisms within the environment such as termites or mold.

Colour fade

Materials are susceptible to colour change over time due to weathering. **ΔE** denotes the colour difference between an original sample and a tested sample after exposure to UV light. **ΔE** is measured on a scale of 1 to 100 and provides a metric to understand how the human eye perceives colour change. Apex and Apex Plus have identical caps.

Standard	Colour Reference	ΔE	Grey scale	Test method	Information
ICC-ES AC 174	Arctic birch (CG005)	1.3	4	ASTM G155-13 4 000 Hours	Change perceptible through close observation. To confirm compliance with ICC-ES, AC 174, durability requirements. Apex samples were tested in accordance with the test method listed. The results of which can be located within the issued CCRR here .
	Brazilian teak (CB010)	1.1	Not determined		Change perceptible through close observation
	Himalayan Cedar (CL014)	1.72	Not determined	ASTM G154-7 3 000 Hours	Change perceptible through close observation
	Hawaiian Walnut (CB013)	2.26	Not determined		Change perceptible at a glance

Biodegradation

Materials exposed to organisms such as termites or mold can degrade as a result.

Decay resistance

Mold resistance does not apply to products without significant cellulose materials within the composition.

Termite resistance

Termite resistance does not apply to products without significant cellulose materials within the composition.

Surface properties

Slip resistance

Slip resistance refers to a surfaces ability to prevent people from slipping or losing their footing. There are various methods used to measure slip resistance. These tests provide a measurement of slip resistance that can be used to compare different flooring materials. Slip resistance is influenced by factors such as the material and its surface, the angle of incline, the type of shoe being worn, and the presence of moisture or multiple contaminants.

Apex Plus slip resistance results

The following table provides slip resistance results for Apex Plus materials by external laboratory for Apex Plus materials. Apex Plus and Apex share finishes and are interchangeable.

Finish	SRV	Class	Test method	Information
	28.1	С	DIN 51097	Apex Plus profile test results here .
L-Lateral orientation	40.1	R13	DIN 51130	Apex Plus profile test results here .
	28.4	С	DIN 51097	Apex Plus profile test results here .
	27.5	R12	DIN 51130	Apex Plus profile test results here .
	62.0	P5	AS 4586 - A	Apex Plus profile test results here . Wet pendulum test with slider 55.
	0.95	D1	AS 4586 – B	Apex test results. Dry friction floor test.
	34.0	С	AS 4586 – C	Apex test results.
-	26.4	R11	AS 4586 – D	Apex Plus profile test results here .
L – Longitudinal orientation	47.0	P5	AS 4586 - A	Apex Plus profile test results here . Wet pendulum test with slider 55.

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Contact information

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Appendix A Apex Plus decking profiles

Profile properties	
Product code	STTHMZQ128
Sectional area (mm²)	2 932
Approximate mass(kg/m)	2.2



Sectional properties in typi	ical orientation
l _x (mm ⁴)	110 992
l _y (mm ⁴)	4 790 388
C _x (mm)	72.5
C _y (mm)	10.5
S _x (mm ³)	10 566
S _y (mm ³)	66 120

See the Mechanical properties section of the TDS for imperial conversions.

Drawing title

File name

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Unless otherwise specifi	ed all dimensions are
in millim	eters.
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documentation for disc	claimers and details.





Profile properties	
Product code	STTHMZQ102
Sectional area (mm²)	3 412
Approximate mass(kg/m)	2.6

Sectional properties in t	ypical orientation
l _x (mm ⁴)	168 994
l _y (mm ⁴)	5 562 469
C _x (mm)	70.0
C _y (mm)	12.2
S _x (mm ³)	13 852
S _y (mm ³)	79 464

See the Mechanical properties section of the TDS for imperial conversions.

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documentation for disc	claimers and details.





Profile properties	
Product code	STTHMZQ103
Sectional area (mm ²)	3 2 3 4
Approximate mass(kg/m)	2.4



Sectional properties in typical orientation		
l _x (mm ⁴)	160 415	
l _y (mm ⁴)	4 949 191	
C _x (mm)	70.0	
C _y (mm)	12.0	
S _x (mm ³)	13 368	
S _y (mm ³)	70 703	

See the Mechanical properties section of the TDS for imperial conversions.

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documentation for discla	aimers and details.



Profile properties	
Product code	STTHMZQ116
Sectional area (mm ²)	4 434
Approximate mass(kg/m)	3.5



Sectional properties in typical orientation		
l _x (mm ⁴)	218 015	
l _y (mm ⁴)	12 688 553	
C _x (mm)	95.0	
C _y (mm)	12.0	
S _x (mm ³)	18 168	
S _y (mm ³)	133 564	
See the Mechanical properties section of the		
TDS for imperial conver	sions.	

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documentation for disc	claimers and details.



Profile properties	
Product code	STTHM123
Sectional area (mm²)	4 556
Approximate mass (kg/m)	3.6



Sectional properties in typical orientation		
l _x (mm ⁴)	218 411	
l _y (mm ⁴)	13 686 586	
C _x (mm)	95.0	
C _y (mm)	12.0	
S _x (mm ³)	18 201	
S _y (mm ³)	144 069	
See the Mechanical pro	operties section of the	

Sectional properties in ty	/pical orientation	
l _x (mm ⁴)	218 411	
l _y (mm ⁴)	13 686 586	
C _x (mm)	95.0	
C _y (mm)	12.0	
S _x (mm ³)	18 201	
S _y (mm ³)	144 069	
See the Mechanical properties section of the		
TDS for imperial conversi	ons.	

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Appendix B Material compositions



The following information provides a list of substances that may negatively impact that Infinity cap material. Below is an extensive (not complete) list of common substances and solutions known to influence the surface of cap on Infinity. It is important to check material compatibility when choosing chemicals that the product may encounter, as they may prematurely degrade the product, these may include ingredients in cleaning products, pool additives and even oils and saps from local vegetation.

Symbol legend

The symbols and abbreviations used have the following meanings:

- + = Resistant over a period of months to years.
- 0 = Limited resistance: some swelling, solvation or environmental stress cracking is possible.
- = Not resistant: severe swelling, decomposition, solvation or environmental stress cracking.

soln. = Saturated aqueous solution.

Resistance definition

Source data:	
Solvents:	Examples are methyl ethyl ketone, tetrahydrofuran, toluene, dimethyl-formamide.
Not resistant:	Concentrated mineral acids, aromatic and/or halogenated hydrocarbons, esters, ethers, ketones.
Limited resistance:	Alcohols, aliphatic hydrocarbons, oils, and fats.
Good resistance:	Water, aqueous salt solutions, detergent solutions, dilute acids, and alkalis.

BASF - Chemical resistance of styrene co-polymers - www.basf.de/plastics

Test substance	20 °C	50 °C
Acetamide	+	+
Acetic acid (100%)	-	-
Acetic acid (25%)	+	+
Acetic acid (50%)	+	0
Acetone	-	-
Acetophenone	-	-
Acetylsalicylic acid (soln.)	+	+
Allyl alcohol	-	-
Allyl mustard oil	-	-
Almond, bitter, oil of	+	0
Almond, oil of	+	+
Alum (soln.)	+	+
Aluminium chloride (soln.)	+	+
Aluminium sulphate (soln.)	+	+
Ammonia, aqueous (25%)	+	+
Ammonium carbonate (soln.)	+	+
Ammonium chloride (soln.)	+	+
Ammonium molybdate (soln.)	+	+
Ammonium nitrate (soln.)	+	+
Ammonium rhodanide (soln.)	+	+
Ammonium sulphate (soln.)	+	+
Amyl acetate	-	-

Test substance	20 °C	50 °C
Amyl acetate	-	-
Amyl alcohol	+	0
Amyl cinnamaldehyde	-	-
Amyl mercaptan	-	-
Aniline	-	-
Anise, oil of	-	-
Aniseed	+	+
Apple juice	+	+
Aqua regia	0	-
Atropine sulphate	+	+
Barium bromide (soln.)	+	+
Barium carbonate (soln.)	+	+
Barium chloride (soln.)	+	+
Beef tallow	+	+
Benzaldehyde	-	-
Benzene	_	-
Benzoic acid	+	+
Benzyl acetate	_	_
Benzyl acetate	_	-
Benzyl alcohol	_	_
Bismuth chloride (soln.)	+	+
Bismuth subnitrate (soln.)	+	+
Bone oil	+	+

Test substance	20 °C	50 °C
Borax (soln.)	+	+
Boric acid (soln.)	+	+
Brake fluid (ATE)	-	-
Brandy	+	+
Bromine (liquid)	-	-
Butane	+	+
Butter	+	+
Butyl acetate	-	-
Butyl acetate	-	-
Butyric acid	-	-
Cadmium bromide (soln.)	+	+
Caffeine (soln.)	+	+
Calcium bromide (soln.)	+	+
Calcium chloride (soln.)	+	+
Calcium hypochlorite (solid)	+	+
Calcium hypochlorite (soln.)	+	+
Calcium oxide	+	+
Camphor	+	+
Caraway seed (ground)	+	+
Carbazole	+	+
Carbon dioxide	+	+
Carbon sulphide	-	-
Cardamom	+	+
Carnauba wax	+	+
Carrot juice	+	+
Castor oil	+	+
Cellosolve (methyl-, ethyl-, propyl-, butyl-)	-	-
Cesium bromide (soln.)	+	+
Cetyl alcohol	+	+
Chamomile extract	+	+
Chlorinated lime	+	+
Chlorine (liquid or gaseous)	-	-
Chlorine water	0	0
Chloroacetic acid	0	-
Chlorobenzene	-	-
Chloroform	-	-
Chlorosulfonic acid	-	-
Chromic acid (soln.)	0	0
Chromosulfuric acid	0	0
Cinnamic aldehyde	-	-
Cinnamon (ground)	+	+
Cinammon (sticks)	+	+

Test substance	20 °C	50 °C
Citric acid (soln.)	+	+
Citronella, oil of	-	-
Cloves	-	-
Cloves, oil of	-	-
Cocoa butter	+	+
Coconut oil	+	+
Cod-liver oil	+	+
Coffee (ground)	+	+
Coffee extract	+	+
Copper sulphate (soln.)	+	+
Corn oil	+	+
Cottonseed oil	+	+
Cresol (para)	0	-
Curry	+	+
Cyclohexane	+	0
Cyclohexanol	+	0
Cyclohexanone	-	-
Dairy products	+	+
Dehydroacetic acid	+	+
Dekalin (R)	0	0
Diacetone alcohol	-	-
Dibutyl phthalate	-	-
Dichlorobenzene	-	-
Diesel oil	+	+
Diethanolamine	+	+
Diethyl ether	-	-
Diethyl hexyl phthalate	+	0
Diethyl ketone	+	+
Diethyl phthalate	-	-
Diethylene glycol	+	+
Diisodecyl phthalate	0	0
Dimethyl diglycol phthalate	0	0
Dimethyl phthalate	-	-
Dimethylformamide	-	-
Dinonyl phthalate	0	0
Dioxane (1,4 dioxane)	-	-
Diphenyl ether	-	-
Diphenylamine	-	-
Ethanol (40%)	+	+
Ethanol (95%)	+	0
Ether (Diethyl ether)	-	-
Ethyl acetate	-	-

Test substance	20 °C	50 °C
Ethyl benzene	-	-
Ethyl benzoate	-	-
Ethyl chloride	-	-
Ethylene chloride	-	-
Ethylene glycol	+	+
Eucalyptus, oil of	0	0
Fertilizer salts	+	+
Formaldehyde (30%)	+	0
Formic acid (40%)	+	0
Formic acid (85%)	0	0
Frigen/Freon 11	0	0
(Monofluoro-trichloromethane)		
Frigen/Freon 113	0	0
(Irifluoro-trichloroethane)		
Frigen/Freon 114	0	0
(Difluoro-dichloromethane)	0	0
Frigen/Freon 21		
(Monofluoro-dichloromethane)	-	-
Frigen/Freon 22	_	_
(Difluoro-monochloro- methane)	_	_
Furfural	-	-
Furfuryl alcohol	0	-
Gallic acid	+	+
Garlic (powder)	+	+
Gasoline (Premium unleaded)	0	-
Gasoline (Standard unleaded)	0	0
Ginger (ground)	0	0
Glucose(30%)	+	+
Glycerine	+	+
Grapefruit juice	+	+
Gravy	+	+
Heating oil	+	+
Heptane	0	0
Heptyl alcohol	+	0
Hexachlorobenzene	+	+
Hexane	0	0
Hexanediol	+	+
Hexanol	+	0
Honey	+	+
Horse radish	+	+
Household detergent (soln.)	+	+
Hydrochloric acid (15%)	+	0

Test substance	20 °C	50 °C
Hydrochloric acid (conc.)	+	0
Hydrofluoric acid (40%)	0	0
Hydrogen peroxide (3%)	+	+
Hydrogen peroxide (30%)	+	+
Hydrogen sulphide	+	+
Hydroquinone (soln.)	+	0
Hydroxyacetone	0	0
Ink, writing	+	+
lodine, tincture of	0	-
lron(II)chloride(solid)	+	+
lron(II)chloride(soln.)	+	+
Iron (II) sulphate (solid)	+	+
Iron (III) chloride (soln.)	+	+
Iron ammonium sulphate	+	+
Iron nitrate (soln.)	+	+
Isoamyl alcohol	+	0
Isobutanol	0	_
Isooctane	+	+
Isooctane	+	+
Isopropanol	+	-
Isopropyl acetate	-	-
Lactic acid (10%)	+	+
Lactic acid (80%)	+	+
Lactose (soln.)	+	+
Lanolin +	+	+
Laurel (ground)	+	+
Lauryl alcohol	+	+
Lead acetate (soln.)	+	+
Lead nitrate (soln.)	+	+
Lead stearate	+	+
Lead sulphate (soln.)	+	+
Lemon grass, oil of	-	-
Lemon juice	+	+
Lemon, oil of	0	0
Ligroin	+	+
Lime water	+	+
Linseed oil	+	+
Mace(ground)	+	0
Magnesium bromide	+	+
Magnesium carbonate	+	+
Magnesium chloride (soln.)	+	+
Magnesium sulphate (soln.)	+	+
Maize oil	+	+

Test substance	20 °C	50 °C
Malic acid (10%)	+	+
Mandarin orange, oil of	0	0
Margarine	+	+
Marjoram (ground)	+	+
Marmalade	+	+
Mayonnaise	+	+
Menthol (10% in ethanol)	0	0
Mercury	+	+
Mercury chloride (soln.)	+	+
Mesityl oxide	-	-
Methanol	0	-
Methyl acetate	-	-
Methyl butanol	+	0
Methyl chloride	-	_
Methyl cyclohexane	+	+
Methyl ethyl ketone	-	_
Methyl isobutyl ketone	-	-
Methyl isopropyl ketone	-	-
Methyl propyl ketone	-	-
Methyl salicylate	-	-
Methylene chloride	-	-
Methylene chlorobromide	-	-
Milk	+	+
Milk powder	+	+
Milk powder (moist)	+	+
Monoamyl phthalate	-	_
Motor oil (automotive)	+	+
Mustard	+	+
n-Butanol	+	0
n-Nonanol	+	+
n-Octanol	+	+
n-Propanol	+	0
Naphthalene (solid)	+	_
Naphthalene (soln. in ethanol)	0	_
Naphthol (beta) (soln. in ethanol)	0	_
Nickel sulphate (soln.)	+	+
Nitric acid (30%)	+	0
Nitric acid (conc.)	-	-
Nitrobenzene	_	-
Nutmeg, dark (ground)	0	0
Nutmeg, light (ground)	+	0
Nutmeg, oil of	0	_
Oleic acid	+	0

Test substance	20 °C	50 °C
Olive oil	+	+
Onion (powder)	+	+
Orange juice	+	+
Orange, oil of	0	0
Oxalic acid (soln.)	+	+
Oxymethylfurfurol	-	-
Ozone (<0,5 ppm)	+	+
Palamoll 644 und 646 (polyesters based on	_	_
adipic acid, BASF)		
Palm oil	+	+
Palmitic acid	+	+
Paprika (ground)	+	+
Paraffin oil	+	+
Peanut oil	+	+
Peanut oil	+	+
Pectin(soln.)	+	+
Penicillin	+	+
Pentane	0	0
Pepper (black or white, ground)	+	0
Peppermint, oil of	-	-
Perchloroethylene	0	0
Petroleum ether	0	0
Petroleum jelly	0	-
Petroleum jelly	+	+
Phenacetin	+	+
Phenol	-	-
Phenylethanol	-	-
Phosphoric acid (1%)	+	+
Phosphoric acid (30%)	+	+
Phosphoric acid (85%)	+	+
Phthalic acid (soln.) Pimento (ground)	+	+
Pine needles, oil of	0	-
Pineapple juice	+	+
Plastomoll DOA	Ο	Ο
(di-(2-ethyl-hexyl)adipate, BASF)	0	0
Pork lard	+	+
Potassium aluminium sulphate (soln.)	+	+
Potassium bisulfate	+	+
Potassium bromates (soln.)	+	+
Potassium bromide (soln.)	+	+
Potassium chloride (soln.)	+	+
Potassium chromate (soln.)	+	+
Potassium dichromate (soln.)	+	0

Potassium ferricyanide++Potassium hydroxide (10%)++Potassium hydroxide (50%)+-Potassium hydroxide (concentrated soln.)+0Potassium iodate (soln.)+-Potassium iodate (soln.)+-Potassium intrate (soln.)+-Potassium sulphate (soln.)+-Potassium sulphate (soln.)+-Potassium sulphate (soln.)+-Potassium sulphate (soln.)+-Potassium sulphate (soln.)+-Potassium sulphate (soln.)+-Potassium sulphide (soln.)+-Porpane (liquid)+-Propane (liquid) chloridePropane glycol+-Propylene glycol methyl etherPropylene oxideProgallol (soln.)++Rum essence++Salicylica cid (soln.)++Salicylica cid (soln.)++Salicylica cid (soln.)++Salicylica cid (soln.)Sasafras oilSilicone fluid++Solium berzaete (soln.)++Solium birarbonate (soln.)++Solium birarbonate (soln.)++Solium birarbonate (soln.)++Solium birarbonate (soln.)++Solium birarbonate (soln.)++Solium birarbon	Test substance	20 °C	50 °C
Potassium fluoride (soln.)++Potassium hydroxide (50%)++Potassium indate (soln.)+0Potassium iodate (soln.)++Potassium indate (soln.)++Potassium indrate (soln.)+-Potassium permanganate (soln.)+0Potassium persulfate (soln.)++Potassium persulfate (soln.)++Potassium sulphate (soln.)++Potassium sulphate (soln.)++Potassium sulphate (soln.)++Propane (liquid) chloridePropane (liquid) chloridePropane glycol++Propylene glycol methyl etherPropylene oxideProgalol (soln.)++Roses, oil of00Rum++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Silicone fluid++Solium acetate (soln.)++Solium benzoate (soln.)++Solium benzoate (soln.)++Solium bromate (soln.)++Solium bromate (soln.)++Solium bromate (soln.)++Solium bromate (soln.)++ </td <td>Potassium ferricyanide</td> <td>+</td> <td>+</td>	Potassium ferricyanide	+	+
Potassium hydroxide (10%)++Potassium hydroxide (concentrated soln.)+0Potassium iodate (soln.)++Potassium iodide (soln.)++Potassium initrate (soln.)++Potassium permanganate (soln.)++Potassium persulfate (soln.)++Potassium sulphate (soln.)++Potassium sulphate (soln.)++Potassium sulphide (soln.)++Protassium sulphide (soln.)++Propane (liquid) chloridePropane (liquid) chloridePropane glycol++Propylene oxidePropylene oxidePyrogallol (soln.)+0Resorcin (soln.)00Rum++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Sea waterSilicone fluid++Sodium borate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sod	Potassium fluoride (soln.)	+	+
Potassium hydroxide (50%)++Potassium iodate (soln.)++Potassium iodide (soln.)++Potassium intrate (soln.)++Potassium permanganate (soln.)++Potassium persulfate (soln.)++Potassium sulphate (soln.)++Potassium sulphate (soln.)++Potassium sulphate (soln.)++Potassium sulphate (soln.)++Propane (liquid)++Propane (liquid) chloridePropane glycol++Propane glycol methyl etherPropylene oxidePyrigallol (soln.)++Resorcin (soln.)00Rum++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Solium acetate (soln.)++Solium bromate (soln.)++	Potassium hydroxide (10%)	+	+
Potassium hydroxide (concentrated soln.)+0Potassium iodide (soln.)++Potassium initrate (soln.)++Potassium permanganate (soln.)++Potassium persulfate (soln.)++Potassium sulphate (soln.)++Potassium sulphate (soln.)++Potassium sulphide (soln.)++Protassium sulphide (soln.)++Propane (liquid) chloridePropane (liquid) chloridePropane glycol++Propylene glycol methyl etherPropylene oxidePropylene oxideResorcin (soln.)00Rum++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)Sasafras oilSilicone fluid++Solium acetate (soln.)++Solium berzoate (soln.)++Solium bisulfite (soln.) <t< td=""><td>Potassium hydroxide (50%)</td><td>+</td><td>+</td></t<>	Potassium hydroxide (50%)	+	+
Potassium iodate (soln.)++Potassium iodide (soln.)++Potassium permanganate (soln.)+0Potassium persulfate (soln.)++Potassium sulphate (soln.)++Potassium sulphate (soln.)++Potassium sulphide (soln.)++Prontosil++Propane (liquid) chloridePropane (liquid) chloridePropane glycol++Propylene glycol methyl etherPropylene sidePyrogallol (soln.)00Resorcin (soln.)00Rum++Salicylic acid (soln.)++Salicylic acid (soln.)Sasafras oilSilicone fluid++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bisulfite (soln.)++ <t< td=""><td>Potassium hydroxide (concentrated soln.)</td><td>+</td><td>0</td></t<>	Potassium hydroxide (concentrated soln.)	+	0
Potassium iodide (soln.)++Potassium nitrate (soln.)+0Potassium persulfate (soln.)++Potassium sulphate (soln.)++Potassium sulphate (soln.)++Potassium sulphate (soln.)++Protosil++Propane (liquid) chloridePropane (liquid) chloridePropane glycol methyl etherPropylene oxidePyrogallol (soln.)40Resorcin (soln.)00Romes, oil of00Rum++Salicylic acid (soln.)++Salicylic acid (soln.)Sasafras oilSasafras oilSilicone fluid++Sodium benzoate (soln.)++Sodium bicarbonate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)	Potassium iodate (soln.)	+	+
Potassium nitrate (soln.)++Potassium persulfate (soln.)++Potassium sulphate (soln.)++Potassium sulphate (soln.)++Potassium sulphate (soln.)++Protosil++Propane (liquid)++Propane (liquid) chloridePropane glycol++Propylene glycol methyl etherPropylene oxidePyrogallol (soln.)40Resorcin (soln.)00Rum++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)Sasafras oilSasafras oilSilicone fluid++Sodium benzoate (soln.)++Sodium bicarbonate (soln.)++Sodium bicarbonate (soln.)++Sodium bicarbonate (soln.)++Sodium bicarbonate (soln.)++Sodium bicarbonate (soln.)++Sodium bicarbonate (soln.)++Sodium carbonate (soln.)++Sodium carbo	Potassium iodide (soln.)	+	+
Potassium permanganate (soln.)+0Potassium sulphate (soln.)++Potassium sulphide (soln.)++Protassium sulphide (soln.)++Prontosil++Propane (liquid) chloridePropane (liquid) chloridePropane glycol methyl etherPropylene oxidePyrogallol (soln.)+0Resorcin (soln.)00Rum essence++Salicylic acid (soln.)++Saladwood, oil ofSassafras oilSeavater++Silicone fluid++Sodium benzoate (soln.)++Sodium bisulfite (soln.)++So	Potassium nitrate (soln.)	+	+
Potassium persulfate (soln.)++Potassium sulphate (soln.)++Protassium sulphide (soln.)++Propane (liquid)++Propane (liquid) chloridePropane (liquid) chloridePropane glycol++Propylene glycol methyl etherPropylene oxidePyrogallol (soln.)+0Resorcin (soln.)00Rum++Rum essence++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)++Solium ofdry)++Solium acetate (soln.)++Silicone fluid++Sodium bicarbonate (soln.)++Sodium bicarbonate (soln.)++	Potassium permanganate (soln.)	+	0
Potassium sulphate (soln.)++Protassium sulphide (soln.)++Prontosil++Propane (liquid) chloridePropane glycol++Propylene glycol methyl etherPropylene oxidePyrogallol (soln.)+0Resorcin (soln.)00Romgalite (soln.)-+Rum++Rum essence++Salicylic acid (soln.)++Saladwood, oil ofSasafras oilSilicone fluid++Silicone fluid++Sodium benzoate (soln.)++Sodium bisulfite (soln.)+ <td< td=""><td>Potassium persulfate (soln.)</td><td>+</td><td>+</td></td<>	Potassium persulfate (soln.)	+	+
Potassium sulphide (soln.)++Prontosil++Propane (liquid) chloridePropane glycol++Propylene glycol methyl etherPropylene oxidePyrogallol (soln.)+0Resorcin (soln.)00Romgalite (soln.)-+Roses, oil of00Rum++Salicylic acid (soln.)++Salicylic acid (soln.)++Sandalwood, oil ofSea water++SeawaterSilicone fluid++Sodium acetate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium carbonate (soln.)++Sodium borate (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++Sodium borate (soln.)+ <td>Potassium sulphate (soln.)</td> <td>+</td> <td>+</td>	Potassium sulphate (soln.)	+	+
Prontosil++Propane (liquid) chloridePropane glycol++Propylene glycol methyl etherPropylene oxidePyrogallol (soln.)+0Resorcin (soln.)00Rongalite (soln.)++Rum++Rum essence++Salicylic acid (soln.)++Saldalwood, oil ofSea water++Sebacic acid dibutyl esterSilicone fluid++Sodium benzoate (soln.)++Sodium benzoate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium bromate	Potassium sulphide (soln.)	+	+
Propane (liquid)++Propane glycolPropylene glycol methyl etherPropylene oxidePyrogallol (soln.)+0Resorcin (soln.)00Rongalite (soln.)00Rum++Salicylic acid (soln.)++Salicylic acid (soln.)++Soliur on (dry)++Soliur acid dibutyl esterSilicone fluid++Sodium benzate (soln.)++Sodium benzate (soln.)++Sodium biolifite (soln.)++Sodium bromate (soln.)++<	Prontosil	+	+
Propane (liquid) chloridePropane glycol methyl etherPropylene oxidePyrogallol (soln.)-0Pyrogallol (soln.)+0Resorcin (soln.)00Rongalite (soln.)++Roses, oil of00Rum++Salicylic acid (soln.)++Salicylic acid (soln.)++Salicylic acid (soln.)Salicylic acid (soln.)Salicylic acid (soln.)++Salicylic acid (soln.)Salicylic acid (soln.)Salicylic acid (soln.)Salicylic acid (soln.)++Soliur on (dry)++Soliur on (dry)++Soliur on (dry)++Soliur acid dibutyl esterSilicone fluid++Solium acetate (soln.)++Sodium benzoate (soln.)++Sodium biaulfite (soln.)++Sodium biaulfite (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromide (soln.)++Sodium carbonate (soln.)++Sodium bromide (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++ </td <td>Propane (liquid)</td> <td>+</td> <td>+</td>	Propane (liquid)	+	+
Propane glycol++Propylene glycol methyl etherPropylene oxidePyridinePyrogallol (soln.)+0Resorcin (soln.)00Rongalite (soln.)++Roses, oil of00Rum++Rum essence++Salicylic acid (soln.)++Saldicylic acid (soln.)++Sandalwood, oil ofSassafras oilSebacic acid dibutyl esterSilicone fluid++Silicone fluid++Sodium benzoate (soln.)++Sodium bisulfite (soln.)++Sodium bisulfite (soln.)++Sodium bisulfite (soln.)++Sodium bisulfite (soln.)++Sodium bisulfite (soln.)++Sodium bornate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++Sodiu	Propane (liquid) chloride	-	_
Propylene glycol methyl etherPropylene oxidePyridinePyrogallol (soln.)+0Resorcin (soln.)00Rongalite (soln.)++Roses, oil of00Rum++Rum essence++Salicylic acid (soln.)++Salt, common (dry)++Sandalwood, oil ofSasafras oilSea water++Silicone fluid++Silicone fluid++Sodium acetate (soln.)++Sodium bioalfite (soln.)++Sodium bioalfite (soln.)++Sodium bioalfite (soln.)++Sodium bioalfite (soln.)++Sodium bioalfite (soln.)++Sodium bioalfite (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate	Propane glycol	+	+
Propylene oxidePyridinePyrogallol (soln.)+0Resorcin (soln.)00Rongalite (soln.)++Roses, oil of00Rum++Rum essence++Salicylic acid (soln.)++Salt, common (dry)++Sandalwood, oil ofSassafras oilSebacic acid dibutyl esterSilicone fluid++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bisulfite (soln.)++Sodium bornate (soln.)++Sodium bornate (soln.)++Sodium bromide (soln.)++Sodium carbonate (soln.)++Sodium	Propylene glycol methyl ether	-	-
PyridinePyrogallol (soln.)00Resorcin (soln.)00Rongalite (soln.)++Roses, oil of00Rum++Rum essence++Salicylic acid (soln.)++Salt, common (dry)++Sandalwood, oil ofSassafras oilSea water++Sebacic acid dibutyl esterSilicone fluid++Sodium benzoate (soln.)++Sodium bisulfite (soln.)++Sodium bisulfite (soln.)++Sodium bisulfite (soln.)++Sodium bornate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++Sodium ca	Propylene oxide	-	-
Pyrogallol (soln.)+0Resorcin (soln.)00Rongalite (soln.)++Roses, oil of00Rum++Rum essence++Salicylic acid (soln.)++Salt, common (dry)++Sandalwood, oil ofSassafras oilSea water++Sebacic acid dibutyl esterSilicone fluid++Sodium benzoate (soln.)++Sodium bicarbonate (soln.)++Sodium bicarbonate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++ <td>Pyridine</td> <td>-</td> <td>-</td>	Pyridine	-	-
Resorcin (soln.)00Rongalite (soln.)++Roses, oil of00Rum++Rum essence++Salicylic acid (soln.)++Salt, common (dry)++Sandalwood, oil ofSassafras oilSea water++Sebacic acid dibutyl esterSilicone fluid++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bisulfite (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++Sodium bromide (soln.)++Sodium carbonate (soln.)++ </td <td>Pyrogallol (soln.)</td> <td>+</td> <td>0</td>	Pyrogallol (soln.)	+	0
Rongalite (soln.)++Roses, oil of00Rum++Rum essence++Salicylic acid (soln.)++Salt, common (dry)++Sandalwood, oil ofSassafras oilSea water++Sebacic acid dibutyl esterSilicone fluid++Silicone fluid++Sodium acetate (soln.)++Sodium bicarbonate (soln.)++Sodium bicarbonate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++Sodium bromide (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++Sodium chloride (dry)++Sodium chloride (dry)++Sodium chloride (dry)++Sodium chloride (noln.)++Sodium chloride (noln.)++Sodium chloride (dry)++Sodium chloride (noln.)++Sodium chloride (noln.)++Sodium	Resorcin (soln.)	0	0
Roses, oil of00Rum++Rum essence++Salicylic acid (soln.)++Salicylic acid (soln.)++Salt, common (dry)++Sandalwood, oil ofSassafras oilSea water++Sebacic acid dibutyl esterSilicone fluid++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bisulfite (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)+ <td>Rongalite (soln.)</td> <td>+</td> <td>+</td>	Rongalite (soln.)	+	+
Rum++Rum essence++Salicylic acid (soln.)++Salicylic acid (soln.)++Salt, common (dry)++Sandalwood, oil ofSassafras oilSea water++Sebacic acid dibutyl esterSilicone fluid++Silicone fluid++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bisulfite (soln.)++Sodium bisulfite (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.) <t< td=""><td>Roses, oil of</td><td>0</td><td>0</td></t<>	Roses, oil of	0	0
Rum essence++Salicylic acid (soln.)++Salt, common (dry)++Sandalwood, oil ofSassafras oilSea water++Sebacic acid dibutyl esterSilicone fluid++Silicone fluid++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bisulfite (soln.)++Sodium bisulfite (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++Sodium c	Rum	+	+
Salicylic acid (soln.)++Salt, common (dry)++Sandalwood, oil ofSassafras oilSea water++Sebacic acid dibutyl esterSilicone fluid++Siliver nitrate (soln.)++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bisulfite (soln.)++Sodium bisulfite (soln.)++Sodium bornate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++<	Rum essence	+	+
Salt, common (dry)++Sandalwood, oil ofSassafras oilSea water++Sebacic acid dibutyl esterSilicone fluid++Silver nitrate (soln.)++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bicarbonate (soln.)++Sodium bisulfite (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++	Salicylic acid (soln.)	+	+
Sandalwood, oil ofSassafras oilSea water++Sebacic acid dibutyl esterSilicone fluid++Silver nitrate (soln.)++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bicarbonate (soln.)++Sodium bisulfite (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)+	Salt, common (dry)	+	+
Sassafras oilSea water++Sebacic acid dibutyl esterSilicone fluid++Silver nitrate (soln.)++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bicarbonate (soln.)++Sodium bicarbonate (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.) <td>Sandalwood, oil of</td> <td>-</td> <td>-</td>	Sandalwood, oil of	-	-
Sea water++Sebacic acid dibutyl esterSilicone fluid++Silver nitrate (soln.)++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bicarbonate (soln.)++Sodium bisulfite (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (so	Sassafras oil	-	-
Sebacic acid dibutyl esterSilicone fluid++Silver nitrate (soln.)++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bicarbonate (soln.)++Sodium bisulfite (soln.)++Sodium borate (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++Sodium chloride (dry)++	Sea water	+	+
Silicone fluid++Silver nitrate (soln.)++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bicarbonate (soln.)++Sodium bisulfite (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++Sodium chloride (dry)++	Sebacic acid dibutyl ester	-	-
Silver nitrate (soln.)++Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bicarbonate (soln.)++Sodium bisulfite (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++Sodium chloride (dry)++	Silicone fluid	+	+
Sodium acetate (soln.)++Sodium benzoate (soln.)++Sodium bicarbonate (soln.)++Sodium bisulfite (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium bromate (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++Sodium chloride (dry)++	Silver nitrate (soln.)	+	+
Sodium benzoate (soln.)++Sodium bicarbonate (soln.)++Sodium bisulfite (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromide (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++Sodium chloride (dry)++	Sodium acetate (soln.)	+	+
Sodium bicarbonate (soln.)++Sodium bisulfite (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromide (soln.)++Sodium carbonate (soln.)++Sodium carbonate (soln.)++Sodium chloride (dry)++	Sodium benzoate (soln.)	+	+
Sodium bisulfite (soln.)++Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromide (soln.)++Sodium carbonate (soln.)++Sodium chloride (dry)++	Sodium bicarbonate (soln.)	+	+
Sodium borate (soln.)++Sodium bromate (soln.)++Sodium bromide (soln.)++Sodium carbonate (soln.)++Sodium chloride (dry)++	Sodium bisulfite (soln.)	+	+
Sodium bromate (soln.)++Sodium bromide (soln.)++Sodium carbonate (soln.)++Sodium chloride (dry)++	Sodium borate (soln.)	+	+
Sodium bromide (soln.) + + Sodium carbonate (soln.) + + Sodium chloride (dry) + +	Sodium bromate (soln.)	+	+
Sodium carbonate (soln.) + + Sodium chloride (dry) + +	Sodium bromide (soln.)	+	+
Sodium chloride (dry) + +	Sodium carbonate (soln.)	+	+
Sodium oblarida (colp.)	Sodium chloride (dry)	+	+
	Sodium chloride (soln.)	+	+

Test substance	20 °C	50 °C
Sodium chromate (soln.)	+	+
Sodium fluoride (soln.)	+	+
Sodium hydrogen sulfite	+	+
Sodium hydroxide (50%)	+	+
Sodium hypochlorite (soln. with 12% CI)	+	+
Sodium hypochlorite (soln., 12% chlorine)	+	+
Sodium nitrate	+	+
Sodium nitrite	+	+
Sodium perborate (soln.)	+	+
Sodium phosphate (sec.)(soln.)	+	+
Sodium phosphate (tert.)(soln.)	+	+
Sodium sulphate (soln.)	+	+
Sodium sulphide (soln.)	+	+
Sodium sulfite (soln.)	+	+
Sodium thiosulfate (soln.)	+	+
Soy oil	+	+
Sperm oil	+	+
Stearic acid	+	+
Strontium bromide	+	+
Strychnine	+	+
Sugar (soln, 30%)	+	+
Sulphur	+	+
Sulphur hexafluoride	+	+
Sulfuric acid (10%)	+	+
Sulfuric acid (38%, battery acid)	+	+
Sulfuric acid (50%)	+	+
Sulfuric acid (conc.)	_	-
Tannic acid	+	+
Tartaric acid (soln.)	+	+
Tea leaves (moist)	+	+
Tea, instant	+	+
Tetrachlorethane	-	-
Tetrachloromethane	-	-
Tetrahydrofuran	_	_
Tetrahydrofurfurol	-	-
Tetralin (R)	-	-
Thionyl chloride	-	-
Thiophene	-	-
Thymol	-	-
Tin (II) chloride (soln.)	+	+
Tin (IV) chloride (soln.)	-	-
Titanium tetrachloride	-	-
Toluene	_	-

Test substance	20 °C	50 °C
Tomato juice	+	+
Tragacanth (gum tragacanth)	+	+
Transformer oil	+	0
Trichlorobenzene	-	-
Trichloroethane	-	-
Trichloroethylene	-	-
Trichlorophenol	-	-
Tricresyl phosphate	-	-
Triethanolamine	+	+
Triethylene glycol	+	+
Triglycol acetate	-	-
Trypaflavin(R)	+	+
Tryptophane (d or I)	+	+
Turpentine	0	0
Turpentine substitute	+	0
Tyrosine (d or I)	+	+
Undecanol	+	+
Urea(soln.)	+	+
Urotropin (soln.)	+	+
Valerian drops	+	+
Verbena oil	-	-
Vinegar	+	+
Water	+	+
Watercolours	+	+
Water glass	+	+
Wax(bleached)	+	+
White oil	+	+
Xylene	-	-
Zinc bromide	+	+
Zinc carbonate	+	+
Zinc chloride (soln.)	+	+
Zinc nitrate	+	+
Zinc ointment	+	+
Zinc oxide	+	+
Zinc stearate	+	+
Zinc sulphate (soln.)	+	+