

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Revision date: 13/08/2020 Supersedes version of: 17/03/2020 Version: 5.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : Surface Spray - Bergamot & Lime / Pink Grapefruit

Product code : MIX039 & MIX132

Type of product : Detergent

Synonyms : Bergamot & Lime / Pink Grapefruit

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use Use of the substance/mixture : Spray cleaner

1.2.2. Uses advised against

Restrictions on use : Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Town Talk Polish Co Ltd Slater Lane Bolton, BL2 2TQ - UK

T +44 (0) 1204 520014 - F +44 (0) 1204 362778

Products@towntalkpolish.com - www.towntalkpolish.com/

1.4. Emergency telephone number

Emergency number : +44 (0) 1204 529981 (9.00am - 5.00pm Monday- Friday UK time)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111	
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 1 H318 Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

None under normal use.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

The second

GHS05

Signal word (CLP) : Danger

Contains : Decan-1-ol, Ethoxylated; Alcohols, C9-11 ethoxylated

Hazard statements (CLP) : H318 - Causes serious eye damage.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P102 - Keep out of reach of children.

P273 - Avoid release to the environment.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a doctor, a POISON CENTER.

EUH-statements : EUH208 - Contains Benzisothiazolinone. May produce an allergic reaction.

Extra phrases : See Section 15 for labelling information in accordance with Regulation (EC) No.648/2004 on

detergents.

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions. This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Decan-1-ol, Ethoxylated	(CAS-No.) 26183-52-8 (EC-No.) 500-046-6 (REACH-no) 01-2120825755-48	1 – 5	Eye Dam. 1, H318
Alcohols, C9-11 ethoxylated	(CAS-No.) 68439-46-3 (EC-No.) 614-482-0 (REACH-no) 01-2119980051-45	< 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Amines, C10-16-alkyldimethyl, N-oxides	(CAS-No.) 70592-80-2 (EC-No.) 274-687-2 (REACH-no) 01-2119490061-47	< 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Benzisothiazolinone	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6 (REACH-no) 01-2120761540-60	≤ 0.02	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
sodium hydroxide substance with national workplace exposure limit(s) (GB)	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6 (REACH-no) 01-2119457892-27	≤ 0.01	Skin Corr. 1A, H314

Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
Benzisothiazolinone	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6 (REACH-no) 01-2120761540-60	(0.05 ≤C ≤ 100) Skin Sens. 1, H317	
sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6 (REACH-no) 01-2119457892-27	(0.5 ≤C < 2) Skin Irrit. 2, H315 (0.5 ≤C < 2) Eye Irrit. 2, H319 (2 ≤C < 5) Skin Corr. 1B, H314 (5 ≤C < 100) Skin Corr. 1A, H314	

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Get medical advice/attention if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory

symptoms, call a doctor.

First-aid measures after skin contact : Gently wash with plenty of soap and water. If symptoms persist call a doctor.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact,

immediately rinse eyes with plenty of water for at least 15 minutes. Get immediate medical

advice/attention.

First-aid measures after ingestion : If swallowed: rinse mouth. Do NOT induce vomiting. Drink plenty of water. Get medical

advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : None.

Symptoms/effects after skin contact : May cause sensitisation of susceptible persons by skin contact.

Symptoms/effects after eye contact : Causes serious eye damage.

Symptoms/effects after ingestion : None.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire. Dry chemical, CO2, or water spray or

regular foam.

Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : None known.

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5.3. Advice for firefighters

Firefighting instructions : Do not allow run-off from fire-fighting to enter drains or water courses.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Contain or absorb spilled liquid with earth or other absorbent material. After cleaning, flush

traces away with water. If spilled, may cause the floor to be slippery.

6.4. Reference to other sections

SECTION 8. SECTION 11. SECTION 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep out of reach of children. Avoid contact with skin and eyes.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product. Take off immediately all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Incompatible products : Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Spray cleaner.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

sodium hydroxide (1310-73-2)		
United Kingdom - Occupational Exposure Limits		
Local name Sodium hydroxide		
WEL STEL (mg/m³)	2 mg/m³	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

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Benzisothiazolinone (2634-33-5)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	966 μg/kg bodyweight/day	
Long-term - systemic effects, inhalation	6.81 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects, inhalation	1.2 mg/m³	
Long-term - systemic effects, dermal	345 μg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	4.03 μg/L	
PNEC aqua (marine water)	0.403 μg/L	
PNEC aqua (intermittent, freshwater)	1.1 μg/L	
PNEC aqua (intermittent, marine water)	0.11 μg/L	
PNEC (Sediment)		
PNEC sediment (freshwater)	49.9 µg/kg dw	
PNEC sediment (marine water)	4.99 µg/kg dw	
PNEC (Soil)		
PNEC soil	3 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	1.03 mg/l	

Decan-1-ol, Ethoxylated (26183-52-8)			
DNEL/DMEL (Workers)	DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	2080 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	294 mg/m³		
DNEL/DMEL (General population)			
Long-term - systemic effects,oral	25 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	87 mg/m³		
Long-term - systemic effects, dermal 1250 mg/kg bodyweight/day			
PNEC (Water)			
PNEC aqua (freshwater)	292 μg/L		
PNEC aqua (marine water)	29.2 μg/L		
PNEC aqua (intermittent, freshwater) 3.9 µg/L			
PNEC (Sediment)			
PNEC sediment (freshwater)	31.92 mg/kg dwt		
PNEC sediment (marine water) 3.19 mg/kg dwt			
PNEC (Soil)			
PNEC soil	1 mg/kg dwt		
PNEC (STP)			
PNEC sewage treatment plant 1.4 mg/l			

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sodium hydroxide (1310-73-2)		
DNEL/DMEL (Workers)		
Long-term - local effects, inhalation 1 mg/m³		
DNEL/DMEL (General population)		
Long-term - local effects, inhalation 1 mg/m³		

CITRONELLOL (106-22-9)		
DNEL/DMEL (Workers)		
Acute - local effects, dermal	2950 μg/cm ²	
Acute - local effects, inhalation	10 mg/m³	
Long-term - systemic effects, dermal	327.4 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	161.6 mg/m³	
Long-term - local effects, inhalation	10 mg/m³	
DNEL/DMEL (General population)		
Acute - local effects, dermal	2950 μg/cm²	
Acute - local effects, inhalation	10 mg/m³	
Long-term - systemic effects,oral 13.8 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	47.8 mg/m³	
Long-term - systemic effects, dermal 196.4 mg/kg bodyweight/day		
Long-term - local effects, inhalation	10 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	0.0024 mg/l	
PNEC aqua (marine water)	0.00024 mg/l	
PNEC aqua (intermittent, freshwater)	0.024 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.0256 mg/kg dwt	
PNEC sediment (marine water)	0.00256 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.00371 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	580 mg/l	

d-limonene (5989-27-5)		
DNEL/DMEL (Workers)		
Acute - local effects, dermal	222 μg/cm²	
Long-term - systemic effects, dermal 9.5 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation 66.7 mg/m³		
DNEL/DMEL (General population)		
Acute - local effects, dermal 111 µg/cm²		
Long-term - systemic effects,oral	4.8 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation 16.6 mg/m³		
Long-term - systemic effects, dermal 4.8 mg/kg bodyweight/day		

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PNEC (Water)		
PNEC aqua (freshwater)	14 μg/L	
PNEC aqua (marine water)	1.4 μg/L	
PNEC (Sediment)	'	
PNEC sediment (freshwater)	3.85 mg/kg dwt	
PNEC sediment (marine water)	385 μg/kg dw	
PNEC (Soil)		
PNEC soil	763 μg/kg dw	
PNEC (Oral)		
PNEC oral (secondary poisoning) 133 mg/kg food		
PNEC (STP)		
PNEC sewage treatment plant	1.8 mg/l	

Ilinalool (78-70-6) DNEL/DMEL (Workers) Acute - systemic effects, dermal 5 mg/kg bodyweight/day Acute - systemic effects, inhalation 16.5 mg/m³ Acute - local effects, dermal 3 mg/cm² Long-term - systemic effects, dermal 2.5 mg/kg bodyweight/day Long-term - local effects, dermal 3 mg/cm² Long-term - systemic effects, inhalation 2.8 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, dermal 2.5 mg/kg bodyweight Acute - systemic effects, inhalation 4.1 mg/m³ Acute - systemic effects, inhalation 4.1 mg/m³ Acute - local effects, dermal 1.5 mg/cm² Long-term - systemic effects, inhalation 700 µg/m³ Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) PNEC qua (freshwater) 200 µg/L PNEC qua (marine water) 20 µg/L PNEC qua (intermittent, freshwater) 2 mg/l			·	
Acute - systemic effects, dermal 5 mg/kg bodyweight/day Acute - systemic effects, inhalation 16.5 mg/m³ Acute - local effects, dermal 3 mg/cm² Long-term - systemic effects, dermal 2.5 mg/kg bodyweight/day Long-term - local effects, dermal 3 mg/cm² Long-term - systemic effects, inhalation 2.8 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, dermal 2.5 mg/kg bodyweight Acute - systemic effects, inhalation 4.1 mg/m³ Acute - systemic effects, oral 1.2 mg/kg bodyweight Acute - local effects, dermal 1.5 mg/cm² Long-term - systemic effects, oral 200 µg/kg bodyweight/day Long-term - systemic effects, inhalation 700 µg/m³ Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) PNEC aqua (freshwater) 200 µg/L PNEC aqua (marine water) 20 µg/L PNEC aqua (intermittent, freshwater) 2 mg/l	linalool (78-70-6)			
Acute - systemic effects, inhalation 16.5 mg/m³ Acute - local effects, dermal 2.5 mg/kg bodyweight/day Long-term - systemic effects, dermal 3 mg/cm² Long-term - local effects, dermal 2.8 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, dermal 2.5 mg/kg bodyweight Acute - systemic effects, inhalation 4.1 mg/m³ Acute - systemic effects, oral 1.2 mg/kg bodyweight Acute - systemic effects, oral 1.5 mg/cm² Long-term - systemic effects, dermal 200 µg/kg bodyweight/day Long-term - systemic effects, inhalation 700 µg/m³ Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.5 mg/cm² PNEC aqua (freshwater) 200 µg/L PNEC aqua (freshwater) 200 µg/L PNEC aqua (intermittent, freshwater) 2 mg/l	DNEL/DMEL (Workers)			
Acute - local effects, dermal Long-term - systemic effects, dermal Long-term - local effects, dermal Long-term - systemic effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, dermal Acute - systemic effects, inhalation Acute - systemic effects, inhalation Acute - systemic effects, oral Acute - systemic effects, oral 1.2 mg/kg bodyweight Acute - local effects, dermal 1.5 mg/cm² Long-term - systemic effects, oral 200 µg/kg bodyweight/day Long-term - systemic effects, inhalation 700 µg/m³ Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) PNEC aqua (freshwater) 200 µg/L PNEC aqua (intermittent, freshwater) 2 mg/l	5 mg/kg	e - systemic effects, dermal	5 mg/kg bodyweight/day	
Long-term - systemic effects, dermal Long-term - local effects, dermal Long-term - systemic effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, inhalation Acute - systemic effects, inhalation Acute - systemic effects, oral Acute - local effects, dermal Long-term - systemic effects, oral Long-term - systemic effects, inhalation Too µg/m³ Long-term - systemic effects, inhalation Too µg/m³ Long-term - systemic effects, inhalation Too µg/m³ Long-term - local effects, dermal Long-term - local effects, dermal Defence (Water) PNEC aqua (freshwater) PNEC aqua (intermittent, freshwater) 2 mg/l 2 mg/l PNEC aqua (intermittent, freshwater) 2 mg/l	16.5 mg	e - systemic effects, inhalation	16.5 mg/m³	
Long-term - local effects, dermal 3 mg/cm² Long-term - systemic effects, inhalation 2.8 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, dermal 2.5 mg/kg bodyweight Acute - systemic effects, inhalation 4.1 mg/m³ Acute - systemic effects, oral 1.2 mg/kg bodyweight Acute - local effects, dermal 1.5 mg/cm² Long-term - systemic effects, oral 200 µg/kg bodyweight/day Long-term - systemic effects, inhalation 700 µg/m³ Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.25 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 200 µg/L PNEC aqua (intermittent, freshwater) 2 mg/l	3 mg/cm	e - local effects, dermal	3 mg/cm ²	
Long-term - systemic effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, dermal Acute - systemic effects, inhalation 4.1 mg/m³ Acute - systemic effects, oral 1.2 mg/kg bodyweight Acute - local effects, dermal Long-term - systemic effects, oral 200 µg/kg bodyweight/day Long-term - systemic effects, inhalation 700 µg/m³ Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) PNEC aqua (freshwater) 200 µg/L PNEC aqua (intermittent, freshwater) 2 mg/l	2.5 mg/k	g-term - systemic effects, dermal	2.5 mg/kg bodyweight/day	
DNEL/DMEL (General population) Acute - systemic effects, dermal 2.5 mg/kg bodyweight Acute - systemic effects, inhalation 4.1 mg/m³ Acute - systemic effects, oral 1.2 mg/kg bodyweight Acute - local effects, dermal 1.5 mg/cm² Long-term - systemic effects, inhalation 700 µg/m³ Long-term - systemic effects, inhalation 700 µg/m³ Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) PNEC aqua (freshwater) 200 µg/L PNEC aqua (intermittent, freshwater) 2 mg/l PNEC aqua (intermittent, freshwater) 2 mg/l	3 mg/cm	g-term - local effects, dermal	3 mg/cm²	
Acute - systemic effects, inhalation Acute - systemic effects, inhalation Acute - systemic effects, oral Acute - systemic effects, oral 1.2 mg/kg bodyweight Acute - local effects, dermal 1.5 mg/cm² Long-term - systemic effects, inhalation 700 µg/m³ Long-term - systemic effects, inhalation 700 µg/m³ Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) PNEC aqua (freshwater) 200 µg/L PNEC aqua (intermittent, freshwater) 2 mg/l	2.8 mg/r	g-term - systemic effects, inhalation	2.8 mg/m³	
Acute - systemic effects, inhalation Acute - systemic effects, oral 1.2 mg/kg bodyweight Acute - local effects, dermal 1.5 mg/cm² Long-term - systemic effects, inhalation Long-term - systemic effects, inhalation Long-term - systemic effects, dermal Long-term - local effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) PNEC aqua (freshwater) 200 µg/L PNEC aqua (intermittent, freshwater) 2 mg/l		:L/DMEL (General population)		
Acute - systemic effects, oral 1.2 mg/kg bodyweight Acute - local effects, dermal 1.5 mg/cm² Long-term - systemic effects, oral 200 μg/kg bodyweight/day Long-term - systemic effects, inhalation 700 μg/m³ Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) PNEC aqua (freshwater) 200 μg/L PNEC aqua (intermittent, freshwater) 2 mg/l	2.5 mg/k	e - systemic effects, dermal	2.5 mg/kg bodyweight	
Acute - local effects, dermal 1.5 mg/cm² Long-term - systemic effects, oral 200 μg/kg bodyweight/day Long-term - systemic effects, inhalation 700 μg/m³ Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) PNEC aqua (freshwater) 200 μg/L PNEC aqua (marine water) 20 μg/L PNEC aqua (intermittent, freshwater) 2 mg/l	4.1 mg/r	e - systemic effects, inhalation	4.1 mg/m³	
Long-term - systemic effects, oral Long-term - systemic effects, inhalation Too µg/m³ Long-term - systemic effects, dermal Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) 200 µg/L PNEC aqua (intermittent, freshwater) 2 mg/l	Acute - systemic effects, oral 1.2 mg/kg bodyweight		1.2 mg/kg bodyweight	
Long-term - systemic effects, inhalation 700 μg/m³ Long-term - systemic effects, dermal 1.25 mg/kg bodyweight/day Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) 200 μg/L PNEC aqua (freshwater) 200 μg/L PNEC aqua (marine water) 20 μg/L PNEC aqua (intermittent, freshwater) 2 mg/l	1.5 mg/c	e - local effects, dermal	1.5 mg/cm²	
Long-term - systemic effects, dermal Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) 20 µg/L PNEC aqua (intermittent, freshwater) 2 mg/l	200 μg/k	g-term - systemic effects,oral	200 μg/kg bodyweight/day	
Long-term - local effects, dermal 1.5 mg/cm² PNEC (Water) PNEC aqua (freshwater) 200 µg/L PNEC aqua (marine water) 20 µg/L PNEC aqua (intermittent, freshwater) 2 mg/l	n 700 μg/r	g-term - systemic effects, inhalation	700 μg/m³	
PNEC (Water) PNEC aqua (freshwater) 200 μg/L PNEC aqua (marine water) 20 μg/L PNEC aqua (intermittent, freshwater) 2 mg/l	1.25 mg/kg bodyweight/day			
PNEC aqua (freshwater) 200 μg/L PNEC aqua (marine water) 20 μg/L PNEC aqua (intermittent, freshwater) 2 mg/l	Long-term - local effects, dermal 1.5 mg/cm²		1.5 mg/cm²	
PNEC aqua (marine water) 20 μg/L PNEC aqua (intermittent, freshwater) 2 mg/l		C (Water)		
PNEC aqua (intermittent, freshwater) 2 mg/l	200 μg/L	C aqua (freshwater)	200 μg/L	
	PNEC aqua (marine water) 20 µg/L		20 μg/L	
	2 mg/l	C aqua (intermittent, freshwater)	2 mg/l	
PNEC (Sediment)	PNEC (Sediment)			
PNEC sediment (freshwater) 2.22 mg/kg dwt	2.22 mg	C sediment (freshwater)	2.22 mg/kg dwt	
PNEC sediment (marine water) 222 µg/kg dw	222 μg/k	C sediment (marine water)	222 μg/kg dw	
PNEC (Soil)				
PNEC soil 327 μg/kg dw	327 μg/k	C soil	327 µg/kg dw	
PNEC (Oral)	· 	C (Oral)		
PNEC oral (secondary poisoning) 7.8 mg/kg food	7.8 mg/k	C oral (secondary poisoning)	7.8 mg/kg food	

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PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

Benzyl salicylate (118-58-1)		
DNEL/DMEL (Workers)	DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	900 μg/kg bodyweight/day	
Long-term - systemic effects, inhalation	3.17 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	450 μg/kg bodyweight/day	
Long-term - systemic effects, inhalation	780 μg/m³	
Long-term - systemic effects, dermal	450 μg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	1.03 μg/L	
PNEC aqua (marine water)	0.103 μg/L	
PNEC aqua (intermittent, freshwater)	10.3 μg/L	
PNEC (Sediment)		
PNEC sediment (freshwater)	583 μg/kg dw	
PNEC sediment (marine water)	58.3 μg/kg dw	
PNEC (Soil)		
PNEC soil	1.41 mg/kg dwt	
PNEC (Oral)		
PNEC oral (secondary poisoning)	80 mg/kg food	
PNEC (STP)		
PNEC sewage treatment plant	10 mg/l	

8.2. Exposure controls

Appropriate engineering controls:

Good standard of general ventilation.

Personal protective equipment:

Safety glasses. Gloves.

Hand protection:

Protective gloves made of latex. Neoprene/viton®. Nitrile rubber gloves, natural rubber gloves. PVC gloves. EN 374

Eye protection:

EN 166

Respiratory protection:

No respiratory protection needed under normal use conditions

Personal protective equipment symbol(s):





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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : clear. Mobile liquid.

Colour : Bergamot & Lime - . Green. Pink Grapefruit -. pink.

Odour : Citrus fruits.
Odour threshold : No data available

pH : 10 – 11

Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available Freezing point : No data available Boiling point : No data available

Flash point : > 100 °C

Auto-ignition temperature : No data available No data available Decomposition temperature No data available Flammability (solid, gas) : No data available Vapour pressure : No data available Relative vapour density at 20 °C Relative density : 995 - 1005 @ 20°C Solubility : Miscible with water. Partition coefficient n-octanol/water (Log Pow) : No data available : No data available Viscosity, kinematic Viscosity, dynamic : No data available Explosive properties : No data available Oxidising properties : No data available **Explosive limits** : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Keep away from heat.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified

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: Not classified Acute toxicity (inhalation)

Alcohols, C9-11 ethoxylated (68439-46-3)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	> 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation : Not classified

pH: 10 - 11

Serious eye damage/irritation : Causes serious eye damage.

pH: 10 - 11

Respiratory or skin sensitisation : Not classified

Additional information : May cause sensitisation of susceptible persons by skin contact

Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Alcohols, C9-11 ethoxylated (68439-46-3)	
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-
	Day Oral Toxicity in Rodents)

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term : Not classified

Hazardous to the aquatic environment, long-term

(chronic)

: Harmful to aquatic life with long lasting effects.

Decan-1-ol, Ethoxylated (26183-52-8)	
LC50 fish 1	1.2 mg/l

Alcohols, C9-11 ethoxylated (68439-46-3)	
LC50 fish 1	5 – 7 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 Daphnia 1	2.5 mg/l Test organisms (species): Daphnia magna
EC50 96h algae (1)	1.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

12.2. Persistence and degradability

Surface Spray - Bergamot & Lime / Pink Grapefruit	
Persistence and degradability	Product is biodegradable. This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

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Benzisothiazolinone (2634-33-5)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	0 %

Decan-1-ol, Ethoxylated (26183-52-8)	
Persistence and degradability	Readily biodegradable.
Biodegradation	100 %

12.3. Bioaccumulative potential

Surface Spray - Bergamot & Lime / Pink Grapefruit	
Bioaccumulative potential	Bioaccumulation unlikely.

Benzisothiazolinone (2634-33-5)	
Bioconcentration factor (BCF REACH)	6.62
Partition coefficient n-octanol/water (Log Kow)	0.7 @ 20°C
Bioaccumulative potential	There is no bioaccumulation.

Decan-1-ol, Ethoxylated (26183-52-8)	
Partition coefficient n-octanol/water (Log Pow)	3.51 @ 25°C

Alcohols, C9-11 ethoxylated (68439-46-3)	
Bioaccumulative potential	There is no bioaccumulation.

12.4. Mobility in soil

Surface Spray - Bergamot & Lime / Pink Grapefruit	
Ecology - soil	Miscible with water. Expected to be highly mobile in soil.

Benzisothiazolinone (2634-33-5)	
Partition coefficient n-octanol/water (Log Koc)	9.33 @ 20°C

12.5. Results of PBT and vPvB assessment

Surface Spray - Bergamot & Lime / Pink Grapefruit

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII $\,$

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
Amines, C10-16-alkyldimethyl, N-oxides (70592-80-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Decan-1-ol, Ethoxylated (26183-52-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Alcohols, C9-11 ethoxylated (68439-46-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects : None known.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: This material and its container must be disposed of as hazardous waste.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
4.2. UN proper shippin	g name			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
4.3. Transport hazard	class(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Allergenic fragrances > 0,01%:

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CITRONELLOL LIMONENE LINALOOL Benzyl salicylate

Detergent Regulation (648/2004/EC): Labelling of contents:		
Component	%	
non-ionic surfactants	5-15%	
BENZISOTHIAZOLINONE		
perfumes		
CITRONELLOL		
LIMONENE		
LINALOOL		
BENZYL SALICYLATE		

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out

Decan-1-ol, Ethoxylated Benzisothiazolinone sodium hydroxide

SECTION 16: Other information

Indication of changes:				
Sds reformatted.	Sds reformatted.			
Section	Changed item	Change	Comments	
2.1		Removed	H317.	
2.2		Modified	Hazardous ingredient declarations.	
2.2		Removed	P261, P305+P352 & P333+P313.	
2.2		Added	EUH208.	
3.2		Modified	Fragrances and preservatives changed and declarations amended accordingly.	
4.2		Modified	Sensitisation statements.	
11		Modified	Sensitisation statements.	
15.1		Modified	Fragrances and preservatives changed and declarations amended accordingly.	

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
CAS-No.	Chemical Abstract Service number	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	

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EC-No.	European Community number	
IATA	International Air Transport Association	
	IBC Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IMO)	
IMDG	International Maritime Dangerous Goods	
PBT	Persistent Bioaccumulative Toxic	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
	REACH-no	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
vPvB	Very Persistent and Very Bioaccumulative	

: ECHA (European Chemicals Agency). Supplier's safety documents. Data sources

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A	
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
H302	Harmful if swallowed.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
EUH208	Contains Benzisothiazolinone. May produce an allergic reaction.	

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.