



HG car upholstery cleaner

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.
Issue date: 02/08/2024 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : HG car upholstery cleaner
Product code : 159 ART
Type of product : Detergent
Product group : Trade product

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
Function or use category : Cleaning and care products used to clean interior surfaces of vehicles e.g. rubber, vinyl, plastic. For leather upholstery see 'Leather - cleaning and care products'. For fabric and textile upholstery cleaners, see 'Cleaning products for carpet/upholstery'.

1.2.2. Uses advised against

Restrictions on use : All other uses not recommended above

1.3. Details of the supplier of the safety data sheet

Manufacturer

HG International B.V.
P.J. Oudweg 41
NL- 1314 CJ Almere
The Netherlands
T +31 (0)36 54 94 700
safety@hg.eu - www.hg.eu

1.4. Emergency telephone number

Emergency number : +31 (0)36 54 94 777
Only for medical personnel
Mon-Fri 09:00 AM - 05:00 PM (CEST)

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Serious eye damage/eye irritation, Category 2 H319
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP)



GHS07

Signal word (GB CLP)

: Warning

Hazard statements (GB CLP)

: H319 - Causes serious eye irritation.

Precautionary statements (GB CLP)

: P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P264 - Wash hands thoroughly after handling.

P280 - Wear eye protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical attention.

Child-resistant fastening

: Not applicable

Tactile warning

: Not applicable

2.3. Other hazards

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	Water (7732-18-5), 2,5-Furandione, polymer with ethenylbenzene, sodium salt (25736-61-2), Styrene (100-42-5)(¹), Sodium etasulphate (126-92-1), Sodium xylenesulphonate (1300-72-7), Oxirane, 2-methyl-, polymer with oxirane (9003-11-6), 2-methylisothiazol-3(2H)-one (2682-20-4)(¹), 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)(¹), 2-(2-dodecoxyethoxy)acetic acid (27306-90-7)(¹), Sodium octyl sulphate (142-31-4)(¹), Ammonia% (1336-21-6)(¹), (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)(¹), Terpeneol (8000-41-7)(¹), geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)(¹), citral (5392-40-5)(¹), Citronellol (106-22-9)(¹), p-Mentha-1,4(8)-diene (586-62-9)(¹), 7-methyl-3-methyleneocta-1,6-diene (123-35-3)(¹), linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)(¹), Pin-2(3)-ene (80-56-8)(¹)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	Water (7732-18-5), 2,5-Furandione, polymer with ethenylbenzene, sodium salt (25736-61-2), Styrene (100-42-5)(¹), Sodium etasulphate (126-92-1), Sodium xylenesulphonate (1300-72-7), Oxirane, 2-methyl-, polymer with oxirane (9003-11-6), 2-methylisothiazol-3(2H)-one (2682-20-4)(¹), 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)(¹), 2-(2-dodecoxyethoxy)acetic acid (27306-90-7)(¹), Sodium octyl sulphate (142-31-4)(¹), Ammonia% (1336-21-6)(¹), (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)(¹), Terpeneol (8000-41-7)(¹), geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)(¹), citral (5392-40-5)(¹), Citronellol (106-22-9)(¹), p-Mentha-1,4(8)-diene (586-62-9)(¹), 7-methyl-3-methyleneocta-1,6-diene (123-35-3)(¹), linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)(¹), Pin-2(3)-ene (80-56-8)(¹)
Component	
Substance(s) not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP	Water(7732-18-5), Sodium etasulphate(126-92-1), 2,5-Furandione, polymer with ethenylbenzene, sodium salt(25736-61-2), Sodium xylenesulphonate(1300-72-7), Oxirane, 2-methyl-, polymer with oxirane(9003-11-6), Ammonia%(1336-21-6)(¹), 2-(2-dodecoxyethoxy)acetic acid(27306-90-7)(¹), Sodium octyl sulphate(142-31-4)(¹), Terpeneol(8000-41-7)(¹), p-Mentha-1,4(8)-diene(586-62-9)(¹), linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool(78-70-6)(¹), Styrene(100-42-5)(¹), (R)-p-mentha-1,8-diene; d-limonene(5989-27-5)(¹), Pin-2(3)-ene(80-56-8)(¹), 2-methylisothiazol-3(2H)-one(2682-20-4)(¹), 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one(2634-33-5)(¹), geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol(106-24-1)(¹), citral(5392-40-5)(¹), Citronellol(106-22-9)(¹), 7-methyl-3-methyleneocta-1,6-diene(123-35-3)(¹)

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
Water	CAS-No.: 7732-18-5 EC-No.: 231-791-2	≥ 90	Not classified
Sodium etasulphate	CAS-No.: 126-92-1 EC-No.: 204-812-8 REACH-no: 01-2119971586-23	≥ 1 – < 2	Skin Irrit. 2, H315 Eye Dam. 1, H318
2,5-Furandione, polymer with ethenylbenzene, sodium salt	CAS-No.: 25736-61-2	≥ 0.1 – < 1	Not classified
Sodium xylenesulphonate	CAS-No.: 1300-72-7 EC-No.: 215-090-9 REACH-no: 01-2119513350-56	≥ 0.1 – < 1	Skin Irrit. 2, H315
Oxirane, 2-methyl-, polymer with oxirane	CAS-No.: 9003-11-6 EC-No.: 618-355-0	≥ 0.1 – < 1	Not classified
Ammonia%	CAS-No.: 1336-21-6 EC-No.: 215-647-6 REACH-no: 01-2119982985-14	≥ 0.01 – < 0.1	Acute Tox. 4 (Oral), H302 (ATE=350 mg/kg bodyweight) Skin Corr. 1B, H314 Aquatic Acute 1, H400
2-(2-dodecoxyethoxy)acetic acid	CAS-No.: 27306-90-7 EC-No.: 608-079-9	≥ 0.01 – < 0.1	Eye Dam. 1, H318
Sodium octyl sulphate	CAS-No.: 142-31-4 EC-No.: 205-535-5 REACH-no: 01-2119966154-35	≥ 0.001 – < 0.01	Skin Irrit. 2, H315 Eye Dam. 1, H318
Terpineol	CAS-No.: 8000-41-7 EC-No.: 232-268-1 REACH-no: 01-2119553062-49	≥ 0.001 – < 0.01	Not classified
p-Mentha-1,4(8)-diene	CAS-No.: 586-62-9 EC-No.: 209-578-0 REACH-no: 01-2119982325-32	≥ 0.001 – < 0.01	Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 UK Index-No.: 603-235-00-2 REACH-no: 01-2119474016-42	≥ 0.001 – < 0.01	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Styrene	CAS-No.: 100-42-5 EC-No.: 202-851-5 REACH-no: 01-2119457861-32	< 0.01	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 (ATE=11.8 mg/l/4h) Acute Tox. 4 (Inhalation:vapour), H332 (ATE=11.8 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT RE 1, H372

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Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
(R)-p-mentha-1,8-diene; d-limonene	CAS-No.: 5989-27-5 EC-No.: 227-813-5 UK Index-No.: 601-096-00-2 REACH-no: 01-2119529223-47	≥ 0.001 – < 0.01	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Pin-2(3)-ene	CAS-No.: 80-56-8 EC-No.: 201-291-9 REACH-no: 01-2119519223-49	≥ 0.001 – < 0.01	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 UK Index-No.: 613-326-00-9 REACH-no: 01-2120764690-50	≥ 0.001 – < 0.01	Acute Tox. 2 (Inhalation), H330 (ATE=0.05 mg/l/4h) Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 REACH-no: 01-2120761540-60	≥ 0.001 – < 0.01	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol	CAS-No.: 106-24-1 EC-No.: 203-377-1 UK Index-No.: 603-241-00-5 REACH-no: 01-2119552430-49	< 0.001	Skin Sens. 1, H317
citral	CAS-No.: 5392-40-5 EC-No.: 226-394-6 UK Index-No.: 605-019-00-3 REACH-no: 01-2119462829-23	< 0.001	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 2, H373
Citronellol	CAS-No.: 106-22-9 EC-No.: 203-375-0 REACH-no: 01-2119453995-23	< 0.001	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
7-methyl-3-methyleneocta-1,6-diene	CAS-No.: 123-35-3 EC-No.: 204-622-5 REACH-no: 01-2119514321-56	< 0.001	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 UK Index-No.: 613-326-00-9 REACH-no: 01-2120764690-50	(0.0015 ≤ C ≤ 100) Skin Sens. 1A; H317
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 REACH-no: 01-2120761540-60	(0.05 ≤ C < 100) Skin Sens. 1; H317

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

No additional information available

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

For containment : Stop leak if safe to do so. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

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6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature	: > 0 – < 30 °C
Heat and ignition sources	: Keep away from heat and direct sunlight.
Storage area	: keep in frostfree area.
Special rules on packaging	: Keep only in original container. Opened containers must be carefully closed and kept upright to avoid leakage.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Styrene (100-42-5)	
United Kingdom - Occupational Exposure Limits	
Local name	Styrene
WEL TWA (OEL TWA)	430 mg/m ³
	100 ppm
WEL STEL (OEL STEL)	1080 mg/m ³
	250 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves. Protective clothing. Wear foot protection.

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Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses with side shields	Normal use conditions		EN 166

8.2.2.2. Skin protection

Skin and body protection	
Type	Standard
Long sleeved protective clothing	
Chemical resistant safety shoes	EN ISO 20345

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.35		EN ISO 374
Disposable gloves	Butyl rubber	6 (> 480 minutes)	0.5		EN ISO 374

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: Floral.
Odour threshold	: Not available
pH	: 8.9
pH solution concentration	: 100 %
Melting point	: Not available
Freezing point	: Not available
Boiling point	: 100 °C
Flash point	: > 60 °C
Explosive limits	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: Not available
Relative density	: 1.01
Density	: Not available
Solubility	: Soluble in the following materials: cold water and hot water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available

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Viscosity, kinematic : Not available
Explosive properties : Not available

9.2. Other information

Particle characteristics : Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Conclusive but not sufficient for classification)
Acute toxicity (dermal) : Not classified (Conclusive but not sufficient for classification)
Acute toxicity (inhalation) : Not classified (Conclusive but not sufficient for classification)

Water (7732-18-5)	
LD50 oral rat	90000 mg/kg
LD50 oral	> 90000 mg/kg bodyweight
LD50 dermal	> 90000 mg/kg bodyweight
Styrene (100-42-5)	
LD50 oral rat	5000 mg/kg Source: ECHA
LD50 oral	> 6000 mg/kg bodyweight Animal: hamster, Syrian, Animal sex: male
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat (Vapours)	11.8 mg/l Source: ECHA
Sodium etasulphate (126-92-1)	
LD50 oral rat	4000 mg/kg Source: NLM
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	6540 mg/kg Source: NLM

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Sodium xylenesulphonate (1300-72-7)	
LD50 oral rat	> 5000 mg/kg Source: SIDS
LD50 oral	> 7000 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight
Oxirane, 2-methyl-, polymer with oxirane (9003-11-6)	
LD50 oral rat	5000 mg/kg
2-methylisothiazol-3(2H)-one (2682-20-4)	
LD50 oral rat	66 – 105 mg/kg
LD50 dermal rabbit	242 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	0.33 mg/l
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal	4115 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	100 mg/l
2-(2-dodecoxyethoxy)acetic acid (27306-90-7)	
LD50 oral rat	> 2000 mg/kg
Sodium octyl sulphate (142-31-4)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 oral	3200 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Ammonia% (1336-21-6)	
LD50 oral	350 mg/kg bodyweight
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 oral	4400 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg Source: National Library of Medicine
LD50 dermal	> 2000 mg/kg bodyweight
Terpineol (8000-41-7)	
LD50 oral	> 2000 mg/kg bodyweight
LD50 dermal rabbit	> 3000 mg/kg
LD50 dermal	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 4760 mg/l
geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
LD50 oral rat	3600 mg/kg bodyweight Animal: rat, 95% CL: 2840 - 4570
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit

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citral (5392-40-5)	
LD50 oral rat	≈ 6800 mg/kg bodyweight Animal: rat
LD50 oral	4960 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Remarks on results: other:
LD50 dermal rabbit	2250 mg/kg
LD50 dermal	2250 mg/kg bodyweight
Citronellol (106-22-9)	
LD50 oral rat	3450 mg/kg Source: National Library of Medicine
LD50 oral	3450 mg/kg bodyweight
LD50 dermal rabbit	2650 mg/kg Source: National Library of Medicine
LD50 dermal	2650 mg/kg bodyweight
p-Mentha-1,4(8)-diene (586-62-9)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 4300 mg/kg Source: ECHA
7-methyl-3-methylenoocta-1,6-diene (123-35-3)	
LD50 oral rat	> 11390 mg/kg bodyweight Animal: rat
LD50 oral	> 3380 mg/kg bodyweight Animal: mouse
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
LD50 oral rat	2790 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:, 95% CL: 2440 - 3180
LD50 oral	2790 mg/kg bodyweight
LD50 dermal rabbit	5610 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 3578 - 8374
LD50 dermal	5610 mg/kg bodyweight
Pin-2(3)-ene (80-56-8)	
LD50 oral rat	2100 mg/kg Source: International Uniform Chemical Information Database
LD50 oral	3700 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LD50 dermal	> 5000 mg/kg bodyweight
Skin corrosion/irritation	: Not classified (Conclusive but not sufficient for classification) pH: 8.9
Water (7732-18-5)	
pH	7
Sodium etasulphate (126-92-1)	
pH	10.5 – 11.5

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Oxirane, 2-methyl-, polymer with oxirane (9003-11-6)	
pH	3.5 – 6.5
2-methylisothiazol-3(2H)-one (2682-20-4)	
pH	2.58 Temp.: 25 °C Concentration: 50 g/L
Sodium octyl sulphate (142-31-4)	
pH	8 Concentration: 1 other:
Serious eye damage/irritation	: Causes serious eye irritation. pH: 8.9
Water (7732-18-5)	
pH	7
Sodium etasulphate (126-92-1)	
pH	10.5 – 11.5
Oxirane, 2-methyl-, polymer with oxirane (9003-11-6)	
pH	3.5 – 6.5
2-methylisothiazol-3(2H)-one (2682-20-4)	
pH	2.58 Temp.: 25 °C Concentration: 50 g/L
Sodium octyl sulphate (142-31-4)	
pH	8 Concentration: 1 other:
Respiratory or skin sensitisation	: Not classified (Conclusive but not sufficient for classification)
Germ cell mutagenicity	: Not classified (Conclusive but not sufficient for classification)
Carcinogenicity	: Not classified (Conclusive but not sufficient for classification)
Styrene (100-42-5)	
IARC group	2B - Possibly carcinogenic to humans
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
IARC group	3 - Not classifiable
7-methyl-3-methylocta-1,6-diene (123-35-3)	
IARC group	2B - Possibly carcinogenic to humans
geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:
citral (5392-40-5)	
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:
Reproductive toxicity	: Not classified (Conclusive but not sufficient for classification)
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	
NOAEL (animal/female, F1)	56.6 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
STOT-single exposure	: Not classified (Conclusive but not sufficient for classification)
Ammonia% (1336-21-6)	
STOT-single exposure	: Not classified (Conclusive but not sufficient for classification)
STOT-repeated exposure	: Not classified (Conclusive but not sufficient for classification)

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Styrene (100-42-5)	
LOAEL (oral, rat, 90 days)	2000 mg/kg bodyweight Animal: rat
LOAEC (inhalation, rat, vapour, 90 days)	0.21 mg/l air Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat
NOAEL (subchronic, oral, animal/male, 90 days)	10 mg/kg bodyweight Animal: mouse, Animal sex: male
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Sodium etasulphate (126-92-1)	
LOAEL (oral, rat, 90 days)	1016 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	488 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
2-methylisothiazol-3(2H)-one (2682-20-4)	
LOAEL (oral, rat, 90 days)	71.2 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: other:
Sodium octyl sulphate (142-31-4)	
LOAEL (oral, rat, 90 days)	1016 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	488 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
NOAEL (dermal, rat/rabbit, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: other:, Guideline: other:
citral (5392-40-5)	
LOAEC (inhalation, rat, gas, 90 days)	68 ppm Animal: rat, Animal sex: female
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEC (inhalation, rat, gas, 90 days)	34 ppm Animal: rat, Animal sex: female
NOAEL (subchronic, oral, animal/male, 90 days)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Citronellol (106-22-9)	
NOAEL (oral, rat, 90 days)	2000 mg/kg bodyweight Animal: rat, Guideline: other:
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.063 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
7-methyl-3-methyleneocta-1,6-diene (123-35-3)	
LOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (subchronic, oral, animal/male, 90 days)	500 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (subchronic, oral, animal/female, 90 days)	250 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

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linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
NOAEL (dermal, rat/rabbit, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Aspiration hazard	: Not classified (Conclusive but not sufficient for classification)
Styrene (100-42-5)	
Viscosity, kinematic	0.77 mm ² /s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm ² /s)'
Citronellol (106-22-9)	
Viscosity, kinematic	12.984 mm ² /s
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
Viscosity, kinematic	5191.86 mm ² /s

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Conclusive but not sufficient for classification)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Conclusive but not sufficient for classification)

Styrene (100-42-5)	
LC50 - Fish [1]	10 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	4.7 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	4.9 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	6.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LOEC (chronic)	2.06 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	1.01 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Sodium etasulphate (126-92-1)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	483 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 511 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
LOEC (chronic)	6.86 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	1.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 1357 mg/l Test organisms (species): Pimephales promelas Duration: '42 d'

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Sodium xylenesulphonate (1300-72-7)	
LC50 - Fish [1]	656000 mg/l Source: ECOSAR
EC50 - Other aquatic organisms [1]	> 1020 mg/l waterflea
EC50 96h - Algae [1]	270000 mg/l Source: ECOSAR
2-methylisothiazol-3(2H)-one (2682-20-4)	
LC50 - Fish [1]	4.77 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	1.6 mg/l Test organisms (species): Daphnia magna
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	
LC50 - Fish [1]	16.7 mg/l Test organisms (species): Cyprinodon variegatus
LC50 - Fish [2]	2.15 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	2.94 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	2.9 mg/l Test organisms (species): Daphnia magna
Sodium octyl sulphate (142-31-4)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 511 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	511 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
LOEC (chronic)	6.86 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	1.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 1.357 mg/l Test organisms (species): Pimephales promelas Duration: '42 d'
Ammonia% (1336-21-6)	
LC50 - Fish [1]	0.89 mg/l
LC50 - Other aquatic organisms [1]	2700 mg/l Chlorella pyrenoidosa
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
LC50 - Fish [1]	720 µg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	0.307 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	0.51 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.32 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.214 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
Terpineol (8000-41-7)	
LC50 - Fish [1]	62 mg/l
EC50 - Other aquatic organisms [1]	73 mg/l waterflea
EC50 - Other aquatic organisms [2]	68 mg/l
EC50 96h - Algae [1]	5.069 mg/l Source: ECOSAR

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geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
LC50 - Fish [1]	≈ 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	10.8 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	10.8 mg/l waterflea
EC50 72h - Algae [1]	13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
citral (5392-40-5)	
LC50 - Fish [1]	6.78 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	6.8 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	7 mg/l waterflea
EC50 - Other aquatic organisms [2]	5 mg/l
EC50 72h - Algae [1]	103.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
Citronellol (106-22-9)	
LC50 - Fish [1]	14.66 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	17.48 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	17.48 mg/l waterflea
EC50 - Other aquatic organisms [2]	2.38 mg/l
EC50 72h - Algae [1]	2.4 mg/l Test organisms (species):
EC50 96h - Algae [1]	3.231 mg/l Source: Ecological Structure Activity Relationships
p-Mentha-1,4(8)-diene (586-62-9)	
LC50 - Fish [1]	0.805 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	0.634 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	11.69 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
7-methyl-3-methyleneocta-1,6-diene (123-35-3)	
EC50 - Crustacea [1]	1.47 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.342 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.31 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
LC50 - Fish [1]	27.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	59 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	20 mg/l waterflea
EC50 - Other aquatic organisms [2]	88.3 mg/l
EC50 96h - Algae [1]	88.3 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [2]	156.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

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Pin-2(3)-ene (80-56-8)	
LC50 - Fish [1]	0.303 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	0.475 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	1.44 mg/l waterflea

12.2. Persistence and degradability

HG car upholstery cleaner	
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) 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.

Water (7732-18-5)	
Persistence and degradability	Rapidly degradable

2,5-Furandione, polymer with ethenylbenzene, sodium salt (25736-61-2)	
Persistence and degradability	Rapidly degradable

Styrene (100-42-5)	
Persistence and degradability	Rapidly degradable

Sodium etasulphate (126-92-1)	
Persistence and degradability	Rapidly degradable

Sodium xylenesulphonate (1300-72-7)	
Persistence and degradability	Rapidly degradable

Oxirane, 2-methyl-, polymer with oxirane (9003-11-6)	
Persistence and degradability	Rapidly degradable

2-methylisothiazol-3(2H)-one (2682-20-4)	
Persistence and degradability	Rapidly degradable

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	
Persistence and degradability	Rapidly degradable

2-(2-dodecoxyethoxy)acetic acid (27306-90-7)	
Persistence and degradability	Rapidly degradable

Sodium octyl sulphate (142-31-4)	
Persistence and degradability	Rapidly degradable

Ammonia% (1336-21-6)	
Persistence and degradability	Rapidly degradable

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
Persistence and degradability	Rapidly degradable

Terpineol (8000-41-7)	
Persistence and degradability	Rapidly degradable

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geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
Persistence and degradability	Rapidly degradable
citral (5392-40-5)	
Persistence and degradability	Rapidly degradable
Citronellol (106-22-9)	
Persistence and degradability	Rapidly degradable
p-Mentha-1,4(8)-diene (586-62-9)	
Persistence and degradability	Rapidly degradable
7-methyl-3-methylocta-1,6-diene (123-35-3)	
Persistence and degradability	Rapidly degradable
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
Persistence and degradability	Rapidly degradable
Pin-2(3)-ene (80-56-8)	
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
HG car upholstery cleaner	
Bioaccumulative potential	No bioaccumulation expected.
Water (7732-18-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.38
Styrene (100-42-5)	
Partition coefficient n-octanol/water (Log Pow)	3.02
Sodium etasulphate (126-92-1)	
Partition coefficient n-octanol/water (Log Pow)	-0.35
Sodium xylenesulphonate (1300-72-7)	
Partition coefficient n-octanol/water (Log Pow)	-3.12
2-methylisothiazol-3(2H)-one (2682-20-4)	
Partition coefficient n-octanol/water (Log Pow)	-0.49
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	
Partition coefficient n-octanol/water (Log Pow)	0.7
Sodium octyl sulphate (142-31-4)	
Partition coefficient n-octanol/water (Log Pow)	-0.27
Ammonia% (1336-21-6)	
Partition coefficient n-octanol/water (Log Pow)	-0.64
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
Partition coefficient n-octanol/water (Log Pow)	4.38

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Terpineol (8000-41-7)	
Partition coefficient n-octanol/water (Log Pow)	3
geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
Partition coefficient n-octanol/water (Log Pow)	3.5
citral (5392-40-5)	
Partition coefficient n-octanol/water (Log Pow)	2.8
Citronellol (106-22-9)	
Partition coefficient n-octanol/water (Log Pow)	3.1
p-Mentha-1,4(8)-diene (586-62-9)	
Partition coefficient n-octanol/water (Log Pow)	4.47 Source: National Library of Medicine/Hazardous Substances Data Bank
7-methyl-3-methylocta-1,6-diene (123-35-3)	
Partition coefficient n-octanol/water (Log Pow)	4.17
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
Partition coefficient n-octanol/water (Log Pow)	2.84
Pin-2(3)-ene (80-56-8)	
Partition coefficient n-octanol/water (Log Pow)	4.32

12.4. Mobility in soil

HG car upholstery cleaner	
Ecology - soil	Expected to be highly mobile in soil.
Citronellol (106-22-9)	
Mobility in soil	70.79 Source: Quantitative Structure Activity Relation
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
Mobility in soil	76 Source: HSDB
Pin-2(3)-ene (80-56-8)	
Mobility in soil	2600 Source: HSDB

12.5. Results of PBT and vPvB assessment

Component	
Water (7732-18-5)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
2,5-Furandione, polymer with ethenylbenzene, sodium salt (25736-61-2)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
Styrene (100-42-5)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII

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Component	
Sodium etasulphate (126-92-1)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
Sodium xylenesulphonate (1300-72-7)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
Oxirane, 2-methyl-, polymer with oxirane (9003-11-6)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
2-methylisothiazol-3(2H)-one (2682-20-4)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
2-(2-dodecoxyethoxy)acetic acid (27306-90-7)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
Sodium octyl sulphate (142-31-4)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
Ammonia% (1336-21-6)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
Terpineol (8000-41-7)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
citral (5392-40-5)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
Citronellol (106-22-9)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII

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Component	
p-Mentha-1,4(8)-diene (586-62-9)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
7-methyl-3-methyleneocta-1,6-diene (123-35-3)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
Pin-2(3)-ene (80-56-8)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII

12.6. Other adverse effects

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Dispose of in accordance with relevant local regulations.
Product/Packaging disposal recommendations : Empty containers retain product residue and can be hazardous. Do not dispose of the packaging without first carrying out the necessary cleaning. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
HP Code : HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Transport document description				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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ADR	IMDG	IATA	ADN	RID
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

UK REACH Annex XVII (Restriction List)

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

UK REACH Candidate List (SVHC)

Contains no substance(s) listed on the UK REACH Candidate List

Detergent Regulation (648/2004)

GB PIC regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains substance(s) listed on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure: Ammonia - 1336-21-6 (10 % w/w)

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

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This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations

Drug Precursors Regulation (273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other Information

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Training advice	: Normal use of this product shall imply use in accordance with the instructions on the packaging. Ensure personnel is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.
Other information	: DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:	
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
EUH208	Contains 2-methylisothiazol-3(2H)-one (2682-20-4) (00180). May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
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.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A

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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.