
SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Cat. 1, H318
Skin Sensitisation, Cat. 1, H317
Hazardous to the aquatic environment, chronic, Cat. 3, H412

Additional information

For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word

Danger

Hazard Statements

H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H412: Harmful to aquatic life with long lasting effects.

Precautionary statements

P280c: Wear protective gloves/ eye protection/ face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313: If skin irritation or rash occurs: Get medical advice/ attention.
P501: Dispose of contents/ container to an approved special waste disposal plant.

Supplemental information

None.

Product identifier

None.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Formulated product.

Components		CLP Classification	Product identifier
C12-14 Pareth-7	5% - 10%	Eye Dam. 1 H318, Acute Tox. 4 H302	CAS-No.: 68439-50-9
Fettalkoholethoxylat	5% - 10%	Eye Dam. 1 H318, Acute Tox. 4 H302	CAS-No.: 9043-30-5 24938-91-8 69011-36-5
Sodium Cumenesulfonate	1% - 2,5%	Eye Irrit. 2 H319	CAS-No.: 28348-53-0 EC-No.: 248-983-7
d-limonene	1% - 2,5%	Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400, Aquatic Chronic 1 H410, Flam. Liq. 3 H226	CAS-No.: 5989-27-5 EC-No.: 227-813-5 Index-No: 601-029-00-7
Citral	0,1% - 1%	Skin Irrit. 2 H315, Skin Sens. 1 H317	CAS-No.: 5392-40-5 EC-No.: 226-394-6 Index-No: 605-019-00-3

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move to fresh air. Consult a physician for severe cases.
Skin contact	Wash hands with water as a precaution.
Eye contact	Rinse immediately with plenty of water, also under the eyelids. If easy to do, remove contact lens, if worn. If eye irritation persists, consult a specialist.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Consult a physician if necessary.

4.2. Most important symptoms and effects, both acute and delayed Wash contaminated clothing before re-use. If symptoms persist, call a physician.

4.3. Indication of any immediate medical attention and special treatment needed None known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Any.

Extinguishing media which must not be used for safety reasons High volume water jet.

5.2. Special hazards arising from the substance or mixture The product is not flammable. During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

5.3. Advice for firefighters

Special protective equipment for firefighters Standard procedure for chemical fires.

Specific methods Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel Use personal protective equipment. Sweep up to prevent slipping hazard.

Advice for emergency responders Handle in accordance with good industrial hygiene and safety practice.

6.2. Environmental precautions Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up Take up mechanically and collect in suitable container for disposal. After cleaning, flush away traces with water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling When using, do not eat, drink or smoke. Ingestion and prolonged exposure to skin and eyes should be avoided, as should inhalation of any generated vapours. Wear personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities Protect from frost. Keep away from direct sunlight.

7.3. Specific end use(s) No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)	No data is available on the product itself.
d-limonene (CAS 5989-27-5)	
Switzerland - Occupational Exposure Limits - Developmental Risk Groups	Developmental Risk Group C
Switzerland - Occupational Exposure Limits - Sensitizers	Sensitizer
Switzerland - Occupational Exposure Limits - TWAs - (MAKs)	7 ppm TWA [MAK] 40 mg/m ³ TWA [MAK]
Switzerland - Occupational Exposure Limits - STELs - (KZWs)	14 ppm STEL [KZW] 80 mg/m ³ STEL [KZW]
Germany - DFG - Recommended Exposure Limits - TWAs (MAKs)	5 ppm TWA MAK 28 mg/m ³ TWA MAK
Germany - DFG - Recommended Exposure Limits - Ceilings (Peak Limitations)	20 ppm Peak 112 mg/m ³ Peak
Germany - DFG - Recommended Exposure Limits - Skin Notation	skin notation
Germany - DFG - Recommended Exposure Limits - Pregnancy	no risk to embryo/fetus if exposure limits adhered to
Germany - TRGS 900 - Occupational Exposure Limits - TWAs (AGWs)	5 ppm TWA AGW (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 4) 28 mg/m ³ TWA AGW (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 4)
Germany - DFG - Recommended Exposure Limits - Sensitizers	skin sensitizer

8.2. Exposure controls

Appropriate engineering controls	Avoid contact with skin, eyes and clothing.
Personal protection equipment	
<i>Respiratory protection</i>	No special protective equipment required.
<i>Hand protection</i>	The selected protective gloves have to satisfy the specifications of Regulation (EU) No. 2016/425 and the standard EN 374 derived from it. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
<i>Eye protection</i>	Safety glasses.
<i>Skin and body protection</i>	Remove and wash contaminated clothing before re-use.
<i>Thermal hazards</i>	No special measures required.
Environmental exposure controls	No special measures required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Yellow.
Odour	Pleasant.
Melting point/ freezing point:	Not determined.
Boiling point or initial boiling point / range:	Not determined.
Flammability:	Not determined.
Lower and upper explosion limit:	Not determined.
Flash point:	does not ignite
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH:	7,5
Kinematic viscosity:	Not determined.
Solubility:	completely soluble (Water)
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	1,0054
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

9.2. Other information

Other safety characteristics	No information available.
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SECTION 10: Stability and reactivity

10.1. Reactivity	No information available.
10.2. Chemical stability	No decomposition if stored and applied as directed.
10.3. Possibility of hazardous reactions	No information available.
10.4. Conditions to avoid	Not required.
10.5. Incompatible materials	None.
10.6. Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapours.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	This product has no known adverse effect on human health. Sodium Cumenesulfonate (CAS 28348-53-0) Dermal LD50 Rabbit > 2000 mg/kg (ECHA_API) Inhalation LC50 Rat > 770 mg/L 4 h(ECHA_API) Oral LD50 Rat > 7000 mg/kg (NLM_CIP) d-limonene (CAS 5989-27-5) Dermal LD50 Rabbit > 5 g/kg (CHEMVIEW) Oral LD50 Rat = 4400 mg/kg (CHEMVIEW) Oral LD50 Rat = 5200 mg/kg (CHEMVIEW) Citral (CAS 5392-40-5) Dermal LD50 Rabbit = 2250 mg/kg (NLM_CIP) Oral LD50 Rat = 4960 mg/kg (NLM_CIP)
Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory / Skin Sensitisation	May cause an allergic skin reaction.
Carcinogenicity	No data available.
Germ cell mutagenicity	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.
Human experience	No data available.

11.2. Information on other hazards

Other information	No data available.
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SECTION 12: Ecological information

12.1. Toxicity	No data available.
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Sodium Cumenesulfonate (CAS 28348-53-0)

Ecotoxicity - Freshwater Algae - EC50 72 h *Desmodesmus subspicatus* >1000 mg/L (IUCLID)

Acute Toxicity Data

d-limonene (CAS 5989-27-5)

Ecotoxicity - Freshwater Fish -

Acute Toxicity Data

LC50 96 h *Pimephales promelas* 0.619 - 0.796 mg/L [flow-through] (EPA)

LC50 96 h *Oncorhynchus mykiss* 35 mg/L (EPA)

Citral (CAS 5392-40-5)

Ecotoxicity - Water Flea - Acute Toxicity Data

EC50 48 h Daphnia magna 7 mg/L (IUCLID)

Ecotoxicity - Freshwater Algae - Acute Toxicity Data

EC50 72 h Desmodesmus subspicatus 16 mg/L (IUCLID)
EC50 96 h Desmodesmus subspicatus 19 mg/L (IUCLID)**12.2. 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.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Endocrine disrupting properties

No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste from residues / unused products**

Dispose of in accordance with local regulations.

Contaminated packaging

Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information**14.1. UN number or ID number**

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

UN Model Regulations

ADR/RID	Not regulated.
IMDG	Not regulated.
IATA	Not regulated.
Further Information	Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

Regulatory Information	Ingredients according to Regulation (EC) 648/2004/EC: >=5%; <15%: non-ionic surfactants <5%: anionic surfactants, Fragrances Allergenic fragrances: Citral, Citronellol, d-limonene, Geraniol, Linalool Water contaminating class (WGK Germany) = 1. VOC (CH) = 1.29003000
C12-14 Pareth-7 (CAS 68439-50-9)	
EU - No-Longer Polymers List (67/548/EEC)	NLP No. 500-213-3 (>1<2.5 mol ethoxylated units)
EU - REACH (1907/2006) - List of Registered Substances	Present
Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS	Reg. no. 670, hazard class 2 - obviously hazardous to water
Sodium Cumenesulfonate (CAS 28348-53-0)	
EU - REACH (1907/2006) - List of Registered Substances	Present
Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS	Reg. no. 1366, hazard class 1 - slightly hazardous to water
d-limonene (CAS 5989-27-5)	
Switzerland - Volatile Organic Compounds (VOCs) - Group I	2902.1999
Switzerland - Plant Protection Products	Pheromone
EU - Cosmetics (1223/2009) - Annex III - Other Limitations and Requirements	The presence of the substance must be indicated in the list of ingredients referred to in Article 19[1][g] when its concentration exceeds: 0.001% in leave-on products, 0.01% in rinse-off products Peroxide value less than 20 mmoles/L

<p>EU - Plant Protection Products (1107/2009/EC) - Active Substances</p>	<p>Member States shall pay particular attention to: (a) the protection of operators and workers (b) the risk to birds and mammals (important details in Commission Implementing Regulation 2020/2007/EU, listed under part B, Orange oil) Conditions of use shall include, where appropriate, risk mitigation measures (important details in Commission Implementing Regulation 2020/2007/EU, listed under part B, Orange oil) The applicant shall submit confirmatory information as regards (1) the metabolite fate of orange oil and the route and rate of degradation in soil (2) the validation of endpoints used in the ecotoxicological risk assessment. The applicant shall submit that information to the Commission, Member States and the Authority by April 30, 2016 (important details in Commission Implementing Regulation 2020/2007/EU, listed under part B, Orange oil) Product type: 12</p>
<p>EU - Biocides (2007/565/EC) - Substances and Product-Types Not to Be Included in Annexes I, IA and IB to Directive 98/8/EC</p>	<p>Present</p>
<p>EU - REACH (1907/2006) - List of Registered Substances</p>	<p>Use restricted. See item 75. (C)</p>
<p>EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS</p>	<p>Reg. no. 87, hazard class 3 - highly hazardous to water</p>
<p>Citral (CAS 5392-40-5) EU - Cosmetics (1223/2009) - Annex III - Other Limitations and Requirements</p>	<p>The presence of the substance must be indicated in the list of ingredients referred to in Article 19[1][g] when its concentration exceeds: 0.001% in leave-on products, 0.01% in rinse-off products Use restricted. See item 75.</p>
<p>EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances</p>	<p>Present</p>
<p>EU - REACH (1907/2006) - List of Registered Substances Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS</p>	<p>Reg. no. 1173, hazard class 1 - slightly hazardous to water</p>
<p>15.2. Chemical safety assessment</p>	<p>Not required.</p>

SECTION 16: Other information

Revision Note	Safety datasheet sections which have been updated: 1,2,3,8,11,12,15,16.
Key or legend to abbreviations and acronyms	None.
Classification procedure	Calculation method.
Full text of phrases referred to under sections 2 and 3	H226: Flammable liquid and vapour. H302: Harmful if swallowed.

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.

Further information

Take notice of the directions of use on the label.

Instructions for use

Restricted to professional users.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.