



# FARECLA G-SCUFF FOR PAINT PREPARATION

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Issue date: 2/3/2023 Revision date: 2/3/2023 Supersedes version of: 5/5/2011 Version: 1.7

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : FARECLA G-SCUFF FOR PAINT PREPARATION  
UFI : MF10-R0WV-900M-D0MD  
Danish product registration number : PR - 4355395  
Product code : 1161400  
Product group : Blend

#### 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 : Professional use  
Use of the substance/mixture : Polishes and wax blends.

##### 1.2.2. Uses advised against

Restrictions on use : This material should not be used for any other purpose than the identified uses without expert advice. Improper use may cause potential health, safety and environmental risks, Polishes and wax blends

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Farecla Products Limited  
Broadmeads  
Ware, SG12 9HS – Hertfordshire  
UK

T +44 (0)19 2046 5041 (8:30-16:30 Monday to Friday) - F +44 (0)19 2046 T 0033 (0) 4 90 85 85 00 - F 0033 (0) 4 90 82 94 52  
6557

[technical@farecla.com](mailto:technical@farecla.com) - [www.farecla.com](http://www.farecla.com)

##### Only Representative

Saint-Gobain Coating Solutions  
50 rue du Mourelet Z.I. Courtine Moure Frais, B.P.  
FR- 90966 84093 Avignon – Cedex  
France

T 0033 (0) 4 90 85 85 00 - F 0033 (0) 4 90 82 94 52  
[qualite-ehs.coating-solutions@saint-gobain.com](mailto:qualite-ehs.coating-solutions@saint-gobain.com)

#### 1.4. Emergency telephone number

Emergency number : +44 (0)19 2046 5041 (8:30-16:30 Monday to Friday)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD 2090	+356 2545 6508	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

### 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 2 H319

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

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### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice. Causes serious eye irritation.

## 2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

Signal word (CLP)

: Warning

Hazard statements (CLP)

: H319 - Causes serious eye irritation.

Precautionary statements (CLP)

: P102 - Keep out of reach of children.

P264 - Wash hands, forearms and face thoroughly after handling.

P280 - Wear protective gloves, protective clothing, eye protection, face 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 advice/attention.

EUH-statements

: EUH210 - Safety data sheet available on request.

EUH208 - Contains 1,2-benzisothiazol-3(2H)-one(2634-33-5), 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone(55965-84-9). May produce an allergic reaction.

Extra phrases

: For professional users only.

### Nordic countries regulation

#### Denmark

Danish product registration number

: PR - 4355395

MAL code

: 00-3

## 2.3. Other hazards

Other hazards which do not result in classification : If in eyes: this material may cause mechanical irritation.

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

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

Component	
Aluminium Oxide (1344-28-1)	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
1,2-benzisothiazol-3(2H)-one (2634-33-5)	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
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)	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
Sodium Nitrate (7631-99-4)	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
Glycerol (56-81-5)	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

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 is not 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 %

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### 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]
Aluminium Oxide	CAS-No.: 1344-28-1 EC-No.: 215-691-6 REACH-no: 01-2119529248-35	50 - 80	Not Classified
Glycerol	CAS-No.: 56-81-5 EC-No.: 200-289-5 REACH-no: 01-2119471987-18	1 - 10	Not Classified
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS-No.: 64742-48-9 EC-No.: 919-857-5 REACH-no: 01-2119463258-33	1 - 10	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304
Polyethylene glycol (PEG) 200-600 substance with national workplace exposure limit(s) (DE, CH)	CAS-No.: 25322-68-3 EC-No.: 500-038-2 REACH-no: 01-2119958801-32	1 - 10	Not Classified
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	CAS-No.: 110615-47-9 EC-No.: 600-975-8 REACH-no: 01-2119489418-23	1 - 10	Skin Irrit. 2, H315 Eye Dam. 1, H318
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics substance with national workplace exposure limit(s) (CH)	CAS-No.: 64742-47-8 EC-No.: 926-141-6 REACH-no: 01-2119456620-43	0.1 - 1	Asp. Tox. 1, H304
Diethyl phthalate substance with national workplace exposure limit(s) (AT, BE, BG, DK, EE, ES, FI, FR, GB, GR, HR, IE, LT, LV, PL, PT, SE, NO, CH)	CAS-No.: 84-66-2 EC-No.: 201-550-6 REACH-no: 01-2119486682-27	0.025 – 0.05	Not Classified
1,2-benzisothiazol-3(2H)-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60	< 0.05	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(R)-p-mentha-1,8-diene; d-limonene	CAS-No.: 5989-27-5 EC-No.: 227-813-5 EC Index-No.: 601-096-00-2 REACH-no: 01-2119529223-47	0.011	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sodium hydroxide substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, PL, PT, SE, SK, NO, CH)	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27	< 0.005	Skin Corr. 1A, H314 Eye Dam. 1, H318

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium Nitrate	CAS-No.: 7631-99-4 EC-No.: 231-554-3 REACH-no: 01-2119488221-41	< 0.003	Ox. Sol. 3, H272 Eye Irrit. 2, H319
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone	CAS-No.: 55965-84-9 EC-No.: 911-418-6 EC Index-No.: 613-167-00-5 REACH-no: 01-2120764691-48	< 0.0015	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)
Alpha-pinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO, CH)	CAS-No.: 80-56-8 EC-No.: 201-291-9	< 0.0005	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 1, H410
Citral substance with national workplace exposure limit(s) (BE, ES, IE, PL)	CAS-No.: 5392-40-5 EC-No.: 226-394-6 EC Index-No.: 605-019-00-3 REACH-no: 01-2119462829-23	≤ 0.0001	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	CAS-No.: 110615-47-9 EC-No.: 600-975-8 REACH-no: 01-2119489418-23	( 12 <C ≤ 30) Eye Dam. 1, H318 ( 30 <C < 100) Skin Irrit. 2, H315 ( 30 <C < 100) Eye Dam. 1, H318
1,2-benzisothiazol-3(2H)-one	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) Eye Irrit. 2, H319 ( 0.5 ≤C < 2) Skin Irrit. 2, H315 ( 2 ≤C < 5) Skin Corr. 1B, H314 ( 5 ≤C < 100) Skin Corr. 1A, H314
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone	CAS-No.: 55965-84-9 EC-No.: 911-418-6 EC Index-No.: 613-167-00-5 REACH-no: 01-2120764691-48	( 0.0015 ≤C ≤ 100) Skin Sens. 1A, H317 ( 0.06 ≤C < 0.6) Skin Irrit. 2, H315 ( 0.06 ≤C < 0.6) Eye Irrit. 2, H319 ( 0.6 ≤C ≤ 100) Skin Corr. 1C, H314 ( 0.6 ≤C ≤ 100) Eye Dam. 1, H318

### Comments

: Contains amongst other ingredients:  
>30% zeolites; <5% aliphatic hydrocarbons; <5% nonionic surfactants, fragrance, colourant, Methylchloroisothiazolinone, Methylisothiazolinone, Benzisothiazolinone. Contains fragrance allergen(s): 0.011% Limonene. For more ingredient information visit [www.farecla.com](http://www.farecla.com)

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

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell. Rinse mouth out with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

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

Symptoms/effects after skin contact	: Contact during a long period may cause light irritation. Itching.
Symptoms/effects after eye contact	: Eye irritation. redness, itching, tears.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting. May cause irritation to the digestive tract.

#### 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	: Carbon dioxide. Water spray. Dry powder. Foam.
Unsuitable extinguishing media	: Do not scatter spilled material with high-pressure water streams.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard.
Reactivity in case of fire	: Product is not explosive.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Nitrogen oxides.

#### 5.3. Advice for firefighters

Precautionary measures fire	: Keep container closed when not in use.
Firefighting instructions	: Evacuate area. Fight fire with normal precautions from a reasonable distance. Get the package away from the fire if this can be done without risk.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Evacuate area. Avoid contact with skin and eyes.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop release.

#### 6.2. Environmental precautions

Avoid release to the environment.

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### 6.3. Methods and material for containment and cleaning up

- For containment : Try to stop release. Using a clean shovel, put the material in a dry container and cover without compressing it.
- Methods for cleaning up : Mechanically recover the product. Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Clean contaminated surfaces with an excess of water.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool.
- Incompatible products : Oxidizing agent. Strong acids.
- Information on mixed storage : Store away from foodstuffs.
- Storage area : Store away from heat. Store in a well-ventilated place.
- Special rules on packaging : Keep only in original container. Store in a closed container.

### 7.3. Specific end use(s)

Refer to Section 1.2 - Relevant identified uses.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Aluminium Oxide (1344-28-1)	
<b>Austria - Occupational Exposure Limits</b>	
MAK (OEL TWA)	5 mg/m <sup>3</sup> (respirable fraction, smoke)
MAK (OEL STEL)	10 mg/m <sup>3</sup> (respirable fraction, smoke)
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Aluminium (métal et composés insolubles, fraction alvéolaire) # Aluminium (metaal en onoplosbare verbindingen, inadembare fractie)
OEL TWA	1 mg/m <sup>3</sup>
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
<b>Croatia - Occupational Exposure Limits</b>	
GVI (OEL TWA) [1]	10 mg/m <sup>3</sup> (total dust, inhalable particles) 4 mg/m <sup>3</sup> (respirable dust)
<b>Denmark - Occupational Exposure Limits</b>	
OEL TWA [1]	5 mg/m <sup>3</sup> (total) 2 mg/m <sup>3</sup> (respirable)

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Aluminium Oxide (1344-28-1)	
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA	10 mg/m <sup>3</sup> (total dust) 4 mg/m <sup>3</sup> (respirable dust)
<b>France - Occupational Exposure Limits</b>	
Local name	Aluminium (Trioxyde de di-)
VME (OEL TWA)	10 mg/m <sup>3</sup>
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
<b>Greece - Occupational Exposure Limits</b>	
Local name	Αλουμίνα, α-
OEL TWA	10 mg/m <sup>3</sup> αναπν. 5 mg/m <sup>3</sup> εισπν.
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
<b>Hungary - Occupational Exposure Limits</b>	
AK (OEL TWA)	6 mg/m <sup>3</sup> (respirable dust)
<b>Ireland - Occupational Exposure Limits</b>	
Local name	Aluminium oxides
OEL TWA [1]	10 mg/m <sup>3</sup> total inhalable dust 4 mg/m <sup>3</sup> respirable dust
Regulatory reference	Chemical Agents Code of Practice 2021
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	6 mg/m <sup>3</sup> (disintegration aerosol)
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	5 mg/m <sup>3</sup> (inhalable fraction) 2 mg/m <sup>3</sup> (respirable fraction)
<b>Poland - Occupational Exposure Limits</b>	
Local name	Tritlenek glinu
NDS (OEL TWA)	2.5 mg/m <sup>3</sup> w przeliczeniu na Al: frakcja wdychalna 1.2 mg/m <sup>3</sup> w przeliczeniu na Al: frakcja respirabilna
Remark	Frakcja wdychalna – frakcja aerozolu wnikająca przez nos i usta, która po zdeponowaniu w drogach oddechowych stwarza zagrożenie dla zdrowia. Frakcja respirabilna – frakcja aerozolu wnikająca do dróg oddechowych, która stwarza zagrożenie dla zdrowia po zdeponowaniu w obszarze wymiany gazowej.
Regulatory reference	Dz. U. 2018 poz. 1286
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA	10 mg/m <sup>3</sup> (particulate matter containing no Asbestos and <1% Crystalline silica)
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	2 mg/m <sup>3</sup> (aerosols) 3 mg/m <sup>3</sup> (dust (Aluminium and Aluminium oxides)) 1 mg/m <sup>3</sup> (fume (Aluminium and Aluminium oxides))

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<b>Aluminium Oxide (1344-28-1)</b>	
OEL STEL	5 mg/m <sup>3</sup> (aerosols) 10 mg/m <sup>3</sup> (dust (Aluminium and Aluminium oxides)) 3 mg/m <sup>3</sup> (fume (Aluminium and Aluminium oxides))
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (OEL TWA) [1]	4 mg/m <sup>3</sup> (inhalable dust)
<b>Spain - Occupational Exposure Limits</b>	
Local name	Óxido de aluminio (Corindón)
VLA-ED (OEL TWA) [1]	10 mg/m <sup>3</sup>
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT
<b>Sweden - Occupational Exposure Limits</b>	
NGV (OEL TWA)	5 mg/m <sup>3</sup> (total dust) 2 mg/m <sup>3</sup> (respirable fraction)
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Aluminium oxides
WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup> inhalable dust 4 mg/m <sup>3</sup> respirable dust
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>Norway - Occupational Exposure Limits</b>	
Local name	Aluminiumoksid
Grenseverdi (OEL TWA) [1]	10 mg/m <sup>3</sup>
Korttidsverdi (OEL STEL)	15 mg/m <sup>3</sup> (equal to the limit value for Nuisance dust)
Remark	1) Grenseverdien er fastsatt lik verdien for sjenerende støv.
Regulatory reference	FOR-2021-06-28-2248
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	Aluminium oxyde / Aluminiumoxid [Korund]
MAK (OEL TWA) [1]	3 mg/m <sup>3</sup> (respirable dust, smoke)
KZGW (OEL STEL)	24 mg/m <sup>3</sup> (respirable dust, smoke)
Critical toxicity	Formel / Formal
Notation	B / B
Remark	NIOSH
Regulatory reference	www.suva.ch, 28.03.2022
<b>Switzerland - BAT</b>	
Local name	Aluminium oxyde / Aluminiumoxid
BAT	50 µg/g creatinine (0.21 µmol/mmol cr.; Paramètre biologique: Aluminium; Substrat d'examen: Urine; Moment du prélèvement: Exposition de longue durée: après plusieurs périodes de travail.) / (0.21 µmol/mmol cr.; Biologischer Parameter: Aluminium; Untersuchungsmaterial: Urin; Probenahmezeitpunkt: Bei Langzeitexposition: nach mehreren vorangegangenen Schichten.)
Regulatory reference	Ordonnance 832.30 (OPA), article 50 al. 3, www.suva.ch/valeurs-limites / Verordnung 832.30 (VUV), Art. 50 Abs. 3, www.suva.ch/grenzwerte
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA	1 mg/m <sup>3</sup>



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### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-47-8)

#### Switzerland - Occupational Exposure Limits

Local name	Distillats légers de pétrole, hydrotraités (vapeurs) / Destillate (Erdöl), mit Wasserstoff behandelte, leichte (Dampf)
MAK (OEL TWA) [1]	350 mg/m <sup>3</sup>
MAK (OEL TWA) [2]	50 ppm (vapour)
KZGW (OEL STEL)	700 mg/m <sup>3</sup>
KZGW (OEL STEL) [ppm]	100 ppm (vapour)
Critical toxicity	SNC / ZNS
Notation	SS <sub>c</sub> / SS <sub>c</sub>
Remark	OSHA
Regulatory reference	www.suva.ch, 28.03.2022

### 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)

#### Austria - Occupational Exposure Limits

MAK (OEL TWA)	0.05 mg/m <sup>3</sup> (5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one mixture in ratio 3:1)
OEL chemical category	Skin sensitizer

#### Switzerland - Occupational Exposure Limits

Local name	2,3-Dihydro-isothiazol-3-one de 5-chloro-2-méthyle et 2,3-dihydro-isothiazol-3-one de 2-méthyle [2,3-Dihydro-isothiazol-3-one de 5-chloro-2-méthyle, 2,3-Dihydro-isothiazol-3-one de 2-méthyle] / 5-Chlor-2-methyl-2,3-dihydro-isothiazol-3-on und 2-Methyl-2,3-dihydroisothiazol-3-on [2-Methyl-2,3-dihydroisothiazol-3-on, 5-Chlor-2-methyl-2,3-dihydroisothiazol-3-on]
MAK (OEL TWA) [1]	0.2 mg/m <sup>3</sup> (i) / (e)
KZGW (OEL STEL)	0.4 mg/m <sup>3</sup> (i) / (e)
Critical toxicity	VRS, Peau, Yeux / OAW, Haut, Auge
Notation	S, SS <sub>c</sub> / S, SS <sub>c</sub>
Regulatory reference	www.suva.ch, 28.03.2022

### Sodium Nitrate (7631-99-4)

#### Czech Republic - Occupational Exposure Limits

PEL (OEL TWA)	6 mg/m <sup>3</sup> (dust)
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### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)

#### Poland - Occupational Exposure Limits

Local name	Benzyna do lakierów
NDS (OEL TWA)	300 mg/m <sup>3</sup>
NDSCh (OEL STEL)	900 mg/m <sup>3</sup>
Regulatory reference	Dz. U. 2018 poz. 1286

#### Switzerland - Occupational Exposure Limits

Local name	Naphta lourde (pétrole), hydrotraité / Naphtha (Erdöl), mit Wasserstoff behandelte, schwere
MAK (OEL TWA) [1]	300 mg/m <sup>3</sup>
MAK (OEL TWA) [2]	50 ppm

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<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics (64742-48-9)</b>	
KZGW (OEL STEL)	600 mg/m <sup>3</sup>
KZGW (OEL STEL) [ppm]	100 ppm
Critical toxicity	SNC / ZNS
Regulatory reference	www.suva.ch, 28.03.2022
<b>Sodium hydroxide (1310-73-2)</b>	
<b>Austria - Occupational Exposure Limits</b>	
MAK (OEL TWA)	2 mg/m <sup>3</sup> (inhalable fraction)
MAK (OEL STEL)	4 mg/m <sup>3</sup> (inhalable fraction)
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Sodium (hydroxyde de) # Natriumhydroxide
OEL TWA	2 mg/m <sup>3</sup>
Remark	M: la mention "M" indique que lors d'une exposition supérieure à la valeur limite, des irritations apparaissent ou un danger d'intoxication aiguë existe. Le procédé de travail doit être conçu de telle façon que l'exposition ne dépasse jamais la valeur limite. Lors des mesurages, la période d'échantillonnage doit être aussi courte que possible afin de pouvoir effectuer des mesurages fiables. Le résultat des mesurages est calculé en fonction de la période d'échantillonnage. # M: de vermelding "M" duidt aan dat bij de blootstelling boven de grenswaarde irritatie optreedt of er gevaar bestaat voor acute vergiftiging. Het werkproces moet zo zijn ontworpen dat de blootstelling de grenswaarde nooit overschrijdt. Bij een controle geldt dat de bemonsterde periode zo kort mogelijk moet zijn om een betrouwbare meting te kunnen verrichten. Het meetresultaat wordt dan gerelateerd aan de beschouwde periode.
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
<b>Bulgaria - Occupational Exposure Limits</b>	
Local name	Натриева основа
OEL TWA	2 mg/m <sup>3</sup> (алкални аерозоли)
Remark	• (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)
Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 47 от 2021 г., в сила от 04.06.2021 г.)
<b>Croatia - Occupational Exposure Limits</b>	
KGVI (OEL STEL)	2 mg/m <sup>3</sup>
<b>Czech Republic - Occupational Exposure Limits</b>	
Local name	Hydroxid sodný
PEL (OEL TWA)	1 mg/m <sup>3</sup>
NPK-P (OEL C)	2 mg/m <sup>3</sup>
Remark	I - dráždí sliznice (oči, dýchací cesty), respektive kůži.
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 195/2021 Sb.)
<b>Denmark - Occupational Exposure Limits</b>	
OEL C	2 mg/m <sup>3</sup>
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA	1 mg/m <sup>3</sup>

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Sodium hydroxide (1310-73-2)	
OEL STEL	2 mg/m <sup>3</sup>
<b>Finland - Occupational Exposure Limits</b>	
Local name	Natriumhydroksidi
HTP (OEL C)	2 mg/m <sup>3</sup>
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö)
<b>France - Occupational Exposure Limits</b>	
Local name	Sodium (hydroxyde de)
VME (OEL TWA)	2 mg/m <sup>3</sup>
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
<b>Greece - Occupational Exposure Limits</b>	
Local name	Υδροξείδιο του νατρίου
OEL TWA	2 mg/m <sup>3</sup>
OEL STEL	2 mg/m <sup>3</sup>
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
<b>Hungary - Occupational Exposure Limits</b>	
AK (OEL TWA)	2 mg/m <sup>3</sup>
CK (OEL STEL)	2 mg/m <sup>3</sup>
<b>Ireland - Occupational Exposure Limits</b>	
Local name	Sodium hydroxide
OEL STEL	2 mg/m <sup>3</sup>
Regulatory reference	Chemical Agents Code of Practice 2021
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	0.5 mg/m <sup>3</sup>
<b>Lithuania - Occupational Exposure Limits</b>	
NRV (OEL C)	2 mg/m <sup>3</sup>
<b>Poland - Occupational Exposure Limits</b>	
Local name	Wodorotlenek sodu
NDS (OEL TWA)	0.5 mg/m <sup>3</sup>
NDSCh (OEL STEL)	1 mg/m <sup>3</sup>
Regulatory reference	Dz. U. 2018 poz. 1286
<b>Portugal - Occupational Exposure Limits</b>	
OEL C	2 mg/m <sup>3</sup>
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (OEL TWA) [1]	2 mg/m <sup>3</sup>
<b>Spain - Occupational Exposure Limits</b>	
Local name	Hidróxido de sodio
VLA-EC (OEL STEL)	2 mg/m <sup>3</sup>

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<b>Sodium hydroxide (1310-73-2)</b>	
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT
<b>Sweden - Occupational Exposure Limits</b>	
Local name	Natriumhydroxid
NGV (OEL TWA)	1 mg/m <sup>3</sup> inhalerbar fraktion
KTV (OEL STEL)	2 mg/m <sup>3</sup> inhalerbar fraktion
Remark	3 (Med inhalerbar fraktion menas den mängd partiklar, av totalmängden partiklar i luften, som man inandas genom näsa och mun)
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Sodium hydroxide
WEL STEL (OEL STEL)	2 mg/m <sup>3</sup>
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>Norway - Occupational Exposure Limits</b>	
Local name	Natriumhydroksid
Takverdi (OEL C) [1]	2 mg/m <sup>3</sup>
Regulatory reference	FOR-2021-06-28-2248
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	Soude caustique / Natriumhydroxid [Aetznatron]
MAK (OEL TWA) [1]	2 mg/m <sup>3</sup> (i) / (e)
KZGW (OEL STEL)	2 mg/m <sup>3</sup> (i) / (e)
Critical toxicity	VRS, Peau, Yeux / OAW, Haut, Auge
Notation	SSc / SSc
Remark	NIOSH, OSHA
Regulatory reference	www.suva.ch, 28.03.2022
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Sodium hydroxide
ACGIH OEL C	2 mg/m <sup>3</sup>
Remark (ACGIH)	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2022
<b>Glycerol (56-81-5)</b>	
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Glycérine (brouillard) # Glycerine (nevel)
OEL TWA	10 mg/m <sup>3</sup>
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
<b>Croatia - Occupational Exposure Limits</b>	
GVI (OEL TWA) [1]	10 mg/m <sup>3</sup>
<b>Czech Republic - Occupational Exposure Limits</b>	
Local name	Glycerol, mlha
PEL (OEL TWA)	10 mg/m <sup>3</sup>

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Glycerol (56-81-5)	
PEL (OEL TWA) [ppm]	2.6 ppm
NPK-P (OEL C)	15 mg/m <sup>3</sup>
NPK-P (OEL C) [ppm]	3.9 ppm
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 195/2021 Sb.)
Estonia - Occupational Exposure Limits	
OEL TWA	10 mg/m <sup>3</sup>
Finland - Occupational Exposure Limits	
Local name	Glyseroli
HTP (OEL TWA) [1]	20 mg/m <sup>3</sup>
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveystieteiden ministeriö)
France - Occupational Exposure Limits	
Local name	Glycérine (aérosols de)
VME (OEL TWA)	10 mg/m <sup>3</sup>
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Glycerin
AGW (OEL TWA) [1]	200 mg/m <sup>3</sup> (E)
Peak exposure limitation factor	2(I)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden
Regulatory reference	TRGS900
Greece - Occupational Exposure Limits	
Local name	Γλυκερίνη
OEL TWA	10 mg/m <sup>3</sup>
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
Poland - Occupational Exposure Limits	
Local name	Glicerol
NDS (OEL TWA)	10 mg/m <sup>3</sup> frakcja wdychalna
Remark	Frakcja wdychalna – frakcja aerozolu wnikaająca przez nos i usta, która po zdeponowaniu w drogach oddechowych stwarza zagrożenie dla zdrowia.
Regulatory reference	Dz. U. 2018 poz. 1286
Portugal - Occupational Exposure Limits	
OEL TWA	10 mg/m <sup>3</sup> (mist)
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA) [1]	11 mg/m <sup>3</sup>
Slovenia - Occupational Exposure Limits	
OEL TWA	200 mg/m <sup>3</sup> (inhalable fraction)

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<b>Glycerol (56-81-5)</b>	
OEL STEL	400 mg/m <sup>3</sup> (inhalable fraction)
<b>Spain - Occupational Exposure Limits</b>	
Local name	Glicerina
VLA-ED (OEL TWA) [1]	10 mg/m <sup>3</sup> nieblas
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Glycerol
WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup> mist
WEL STEL (OEL STEL)	30 mg/m <sup>3</sup> (calculated-mist)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	Glycérine / Glycerin
MAK (OEL TWA) [1]	50 mg/m <sup>3</sup> (i) / (e)
KZGW (OEL STEL)	100 mg/m <sup>3</sup> (i) / (e)
Critical toxicity	VRS / OAW
Notation	SS <sub>c</sub> / SS <sub>c</sub>
Regulatory reference	www.suva.ch, 28.03.2022
<b>Polyethylene glycol (PEG) 200-600 (25322-68-3)</b>	
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Local name	Polyethylenglykol (PEG 200-600)
AGW (OEL TWA) [1]	200 mg/m <sup>3</sup> (E)
Peak exposure limitation factor	2(II)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden
Regulatory reference	TRGS900
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	Polyéthylèneglycols (PEG) / Polyethylenglykole (PEG) [Polyethylenoxid]
MAK (OEL TWA) [1]	500 mg/m <sup>3</sup>
Critical toxicity	MC <sub>Corp</sub> / KG
Notation	SS <sub>c</sub> / SS <sub>c</sub>
Regulatory reference	www.suva.ch, 28.03.2022
<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
<b>Finland - Occupational Exposure Limits</b>	
Local name	D-Limoneeni
HTP (OEL TWA) [1]	140 mg/m <sup>3</sup>
HTP (OEL TWA) [2]	25 ppm
HTP (OEL STEL)	280 mg/m <sup>3</sup>
HTP (OEL STEL) [ppm]	50 ppm

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<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveystieteiden ministeriö)
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Local name	(R)-p-Mentha-1,8-dien (D-Limonen)
AGW (OEL TWA) [1]	28 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
AGW (OEL TWA) [2]	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Peak exposure limitation factor	4(II)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); H - hautresorptiv; Sh - Hautsensibilisierender Stoff; Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden
Chemical category	Skin notation, Skin sensitization
Regulatory reference	TRGS900
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	28 mg/m <sup>3</sup>
OEL TWA [ppm]	5 ppm
OEL STEL	112 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
OEL chemical category	Potential for cutaneous absorption
<b>Spain - Occupational Exposure Limits</b>	
Local name	d-Limoneno
VLA-ED (OEL TWA) [1]	168 mg/m <sup>3</sup>
VLA-ED (OEL TWA) [2]	30 ppm
Remark	Sen (Sensibilizante), vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante).
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT
<b>Norway - Occupational Exposure Limits</b>	
Local name	d-limonen (Limonen)
Grenseverdi (OEL TWA) [1]	140 mg/m <sup>3</sup>
Grenseverdi (OEL TWA) [2]	25 ppm
Korttidsverdi (OEL STEL)	175 mg/m <sup>3</sup> (value calculated)
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)
Remark	A: Kjemikalier som skal betraktes som at de fremkaller allergi eller annen overfølsomhet i øynene eller luftveier, eller som skal betraktes som at de fremkaller allergi ved hudkontakt.
OEL chemical category	Sensitizing substance
Regulatory reference	FOR-2021-06-28-2248

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<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	D-Limonène / D-Limonen
MAK (OEL TWA) [1]	40 mg/m <sup>3</sup>
MAK (OEL TWA) [2]	7 ppm
KZGW (OEL STEL)	80 mg/m <sup>3</sup>
KZGW (OEL STEL) [ppm]	14 ppm
Critical toxicity	Foie / Leber
Notation	S, SSc / S, SSc
OEL chemical category	Sensitizer
Regulatory reference	www.suva.ch, 28.03.2022
<b>Citral (5392-40-5)</b>	
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Citral (vapeur et aérosol) # Citral (damp en aérosol)
OEL TWA	32 mg/m <sup>3</sup> (vapor and aerosol)
OEL TWA [ppm]	5 ppm (vapor and aerosol)
Remark	D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht.
OEL chemical category	Skin
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
<b>Ireland - Occupational Exposure Limits</b>	
Local name	Citral
OEL TWA [2]	5 ppm
OEL STEL [ppm]	15 ppm (calculated)
Regulatory reference	Chemical Agents Code of Practice 2021
<b>Poland - Occupational Exposure Limits</b>	
Local name	3,7-Dimetylookta-2,6-dienal (cytral)
NDS (OEL TWA)	27 mg/m <sup>3</sup>
NDSCh (OEL STEL)	54 mg/m <sup>3</sup>
Regulatory reference	Dz. U. 2018 poz. 1286
<b>Portugal - Occupational Exposure Limits</b>	
OEL chemical category	Sensitizer
<b>Spain - Occupational Exposure Limits</b>	
Local name	Citral
VLA-ED (OEL TWA) [2]	5 ppm (inhalable fraction and vapor)



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<b>Citral (5392-40-5)</b>	
Remark	Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante), Sen (Sensibilizante), FIV (Fracción inhalable y vapor. La notación FIV señala a aquellos agentes químicos que se pueden presentar en el ambiente de trabajo, tanto en forma de materia particulada como vapor, por lo que las dos fases pueden coexistir, contribuyendo ambas a la exposición. Esta situación se puede dar, principalmente, en los siguientes casos: • Cuando el agente en cuestión tiene un valor "intermedio" de presión de vapor (en estos casos se tiene en cuenta la relación entre su concentración en el aire saturado de vapor y el valor del VLA-ED® y la nota se asigna, generalmente, cuando el cociente entre ambas cantidades se encuentra entre 0.1 y 10). • Por razón de la forma de uso del agente químico (por ejemplo, pulverización). • En los procesos que conlleven cambios importantes de temperatura que puedan afectar al estado físico del agente químico. • En los procesos en los que una fracción significativa del vapor puede disolverse o adsorberse en las partículas de otra sustancia, a semejanza de lo que ocurre con los agentes solubles en agua en ambientes con humedad elevada).
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Citral
ACGIH OEL TWA [ppm]	5 ppm (inhalable fraction and vapor)
Remark (ACGIH)	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
ACGIH chemical category	dermal sensitizer, Skin - potential significant contribution to overall exposure by the cutaneous route, Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2022
<b>Alpha-pinene (80-56-8)</b>	
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Essence de térébenthine et monoterpènes sélectionés # Terpentijn en geselecteerde monoterenen
OEL TWA [ppm]	20 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA	150 mg/m³
OEL TWA [ppm]	25 ppm
OEL STEL	300 mg/m³
OEL STEL [ppm]	50 ppm
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	150 mg/m³
IPRV (OEL TWA) [ppm]	25 ppm
TPRV (OEL STEL)	300 mg/m³
TPRV (OEL STEL) [ppm]	50 ppm
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)

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Alpha-pinene (80-56-8)	
OEL chemical category	Sensitizer, A4 - Not Classifiable as a Human Carcinogen
<b>Spain - Occupational Exposure Limits</b>	
Local name	α-pineno (monoterpeno)
VLA-ED (OEL TWA) [1]	113 mg/m <sup>3</sup>
VLA-ED (OEL TWA) [2]	20 ppm
OEL chemical category	Sensitizer
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT
<b>Sweden - Occupational Exposure Limits</b>	
Local name	α-Pinen (jfr Terpener)
NGV (OEL TWA)	150 mg/m <sup>3</sup>
NGV (OEL TWA) [ppm]	25 ppm
KTV (OEL STEL)	300 mg/m <sup>3</sup>
KTV (OEL STEL) [ppm]	50 ppm
Remark	S (Ämnet är sensibiliserande. Sensibiliserande ämnen kan ge allergi eller annan överkänslighet. Överkänslighetsbesvären drabbar främst huden eller andningsorganen. Överkänslighet innebär att man reagerar vid kontakt med ämnen som normalt inte ger besvär. Allergi är en undergrupp av överkänslighet som orsakas av reaktioner i kroppens immunsystem. Särskilt låga gränsvärden har fastställts för ämnen med mer uttalat luftvägssensibiliserande egenskaper. Några ämnen med starkt sensibiliserande egenskaper får endast hanteras efter tillstånd från Arbetsmiljöverket, se föreskrifterna om kemiska arbetsmiljörisker. Dessa ämnen har inga gränsvärden men i vissa fall riktvärden); V (Vägledande korttidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas)
OEL chemical category	Sensitizer
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
<b>Norway - Occupational Exposure Limits</b>	
Local name	α-pinen
Grenseverdi (OEL TWA) [1]	140 mg/m <sup>3</sup>
Grenseverdi (OEL TWA) [2]	25 ppm
Korttidsverdi (OEL STEL)	175 mg/m <sup>3</sup> (value calculated)
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)
Remark	H: Kjemikalier som kan tas opp gjennom huden.
OEL chemical category	Skin notation
Regulatory reference	FOR-2021-06-28-2248
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	Essence de térébenthine [alpha-pinène, bêta-pinène, delta-3-carène] / Terpentinöl [alpha-Pinen, beta-Pinen, delta-3-Caren]
MAK (OEL TWA) [1]	112 mg/m <sup>3</sup>
MAK (OEL TWA) [2]	20 ppm
KZGW (OEL STEL)	224 mg/m <sup>3</sup> (Turpentine oil)
KZGW (OEL STEL) [ppm]	40 ppm (Turpentine oil)
Critical toxicity	Vessie / Blase

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<b>Alpha-pinene (80-56-8)</b>	
Notation	R, S / H, S
Remark	NIOSH
OEL chemical category	Sensitizer, Skin notation
Regulatory reference	www.suva.ch, 28.03.2022
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	dermal sensitizer, Not Classifiable as a Human Carcinogen
<b>Diethyl phthalate (84-66-2)</b>	
<b>Austria - Occupational Exposure Limits</b>	
MAK (OEL TWA)	3 mg/m <sup>3</sup> (Phthalic acid ester)
MAK (OEL STEL)	5 mg/m <sup>3</sup> (Phthalic acid ester)
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Phtalate de diéthyle # Diethylftalaat
OEL TWA	5 mg/m <sup>3</sup>
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
<b>Bulgaria - Occupational Exposure Limits</b>	
Local name	Диетилфталат
OEL TWA	5 mg/m <sup>3</sup>
Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 47 от 2021 г., в сила от 04.06.2021 г.)
<b>Croatia - Occupational Exposure Limits</b>	
GVI (OEL TWA) [1]	5 mg/m <sup>3</sup>
KGVI (OEL STEL)	10 mg/m <sup>3</sup>
<b>Denmark - Occupational Exposure Limits</b>	
OEL TWA [1]	3 mg/m <sup>3</sup>
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA	3 mg/m <sup>3</sup>
OEL STEL	5 mg/m <sup>3</sup>
<b>Finland - Occupational Exposure Limits</b>	
Local name	Dietyyliftalaatti
HTP (OEL TWA) [1]	5 mg/m <sup>3</sup>
HTP (OEL STEL)	10 mg/m <sup>3</sup>
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveystieteiden ministeriö)
<b>France - Occupational Exposure Limits</b>	
Local name	Phtalate de diéthyle
VME (OEL TWA)	5 mg/m <sup>3</sup>
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)

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Diethyl phthalate (84-66-2)	
<b>Greece - Occupational Exposure Limits</b>	
Local name	Φθαλικός διαιθυλεστέρας
OEL TWA	5 mg/m <sup>3</sup>
OEL STEL	10 mg/m <sup>3</sup>
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
<b>Ireland - Occupational Exposure Limits</b>	
Local name	Diethyl phthalate
OEL TWA [1]	5 mg/m <sup>3</sup>
OEL STEL	10 mg/m <sup>3</sup>
Regulatory reference	Chemical Agents Code of Practice 2021
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	0.5 mg/m <sup>3</sup>
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	3 mg/m <sup>3</sup>
TPRV (OEL STEL)	5 mg/m <sup>3</sup>
<b>Poland - Occupational Exposure Limits</b>	
Local name	Ftalan dietylu
NDS (OEL TWA)	3 mg/m <sup>3</sup> frakcja wdychalna
Remark	Frakcja wdychalna – frakcja aerozolu wnijkająca przez nos i usta, która po zdeponowaniu w drogach oddechowych stwarza zagrożenie dla zdrowia.
Regulatory reference	Dz. U. 2018 poz. 1286
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA	5 mg/m <sup>3</sup>
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen
<b>Spain - Occupational Exposure Limits</b>	
Local name	Ftalato de dietilo
VLA-ED (OEL TWA) [1]	5 mg/m <sup>3</sup>
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT
<b>Sweden - Occupational Exposure Limits</b>	
Local name	Dietylftalat
NGV (OEL TWA)	3 mg/m <sup>3</sup>
KTV (OEL STEL)	5 mg/m <sup>3</sup>
Remark	V (Vägledande korttidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas); 12 (För de ftalater som inte har ämnesspecifika gränsvärden gäller gränsvärdet för ftalater uttryckt i mg/m <sup>3</sup> )
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Diethyl phthalate
WEL TWA (OEL TWA) [1]	5 mg/m <sup>3</sup>

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Diethyl phthalate (84-66-2)	
WEL STEL (OEL STEL)	10 mg/m <sup>3</sup>
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Norway - Occupational Exposure Limits	
Local name	Dietylftalat
Grønseverdi (OEL TWA) [1]	3 mg/m <sup>3</sup>
Korttidsverdi (OEL STEL)	6 mg/m <sup>3</sup> (value calculated)
Regulatory reference	FOR-2021-06-28-2248
Switzerland - Occupational Exposure Limits	
Local name	Phtalate de diéthyle / Diethylphthalat
MAK (OEL TWA) [1]	5 mg/m <sup>3</sup> (i) / (e)
Critical toxicity	VRS / OAW
Regulatory reference	www.suva.ch, 28.03.2022
USA - ACGIH - Occupational Exposure Limits	
Local name	Diethyl phthalate
ACGIH OEL TWA	5 mg/m <sup>3</sup>
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2022

### 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

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

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### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Examples of preferred glove barrier materials include: Butyl rubber. Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Polyvinyl chloride ("PVC" or "vinyl").

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. The fine-dust mask with exhale Valve is recommended to use when dust and mist exceed exposure limits in air, according to EN149:2001 + A1:2009 FFP2 NR standard. The respiratory mask should be worn when respiratory hazards has been identified and evaluated. Respiratory protection should be always determined on quantitative exposure assessments.

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke when using this product. Provide readily accessible eye wash stations and safety showers.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Grey.
Appearance	: Thick paste.
Odour	: pleasant.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not applicable
Boiling point	: > 100 °C
Flammability	: Not applicable
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing material according to EC criteria.
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable.
Upper explosion limit	: Not applicable.
Flash point	: > 93 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: 9 – 10 (20°C)
Viscosity, kinematic	: 16000 mm <sup>2</sup> /s (20°C)
Solubility	: Dispersible in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 1.45
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 67.4 g/l (4.65%)

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

Strong acids. Strong oxidizers.

#### 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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not Classified  
Acute toxicity (dermal) : Not Classified  
Acute toxicity (inhalation) : Not Classified

#### Aluminium Oxide (1344-28-1)

LD50 oral rat	> 15900 mg/kg bodyweight
LC50 Inhalation - Rat	> 2.3 mg/l air

#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-47-8)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 Inhalation - Rat	> 20 mg/l/4h

#### 1,2-benzisothiazol-3(2H)-one (2634-33-5)

LD50 oral rat	490 mg/kg bodyweight
LD50 oral	670 mg/kg
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

#### 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)

LD50 oral rat	66 mg/kg bodyweight
LD50 dermal rat	> 1008 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 81-2 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	0.17 mg/l air

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<b>Sodium Nitrate (7631-99-4)</b>	
LD50 oral rat	≈ 3430 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 oral	3700 mg/kg
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics (64742-48-9)</b>	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
<b>Sodium hydroxide (1310-73-2)</b>	
LD50 dermal rabbit	325 mg/kg Source: ECHA
<b>Glycerol (56-81-5)</b>	
LD50 oral rat	27200 mg/kg bodyweight Animal: rat, Animal sex: female
LD50 dermal rabbit	> 10 g/kg
LD50 dermal	56750 mg/kg
LC50 Inhalation - Rat	5.85 mg/l
<b>Polyethylene glycol (PEG) 200-600 (25322-68-3)</b>	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Remarks on results: other:
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:
<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
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 rabbit	> 5 g/kg
<b>Citral (5392-40-5)</b>	
LD50 oral rat	≈ 6800 mg/kg bodyweight Animal: rat
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Remarks on results: other:
LD50 dermal rabbit	2250 mg/kg
<b>Alpha-pinene (80-56-8)</b>	
LD50 oral rat	3700 mg/kg
LD50 oral	3700 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
<b>Diethyl phthalate (84-66-2)</b>	
LD50 oral rat	8600 mg/kg
LD50 dermal rat	> 11200 mg/kg
LC50 Inhalation - Rat	> 4.64 mg/l (Exposure time: 6 h)



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### D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Skin corrosion/irritation	: Not Classified pH: 9 – 10 (20°C)

### 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)

pH	3.43 Temp.: 20 °C Concentration: 10 g/L
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### Sodium Nitrate (7631-99-4)

pH	7 Temp.: 25 °C Remarks on result: 'other:'
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### Sodium hydroxide (1310-73-2)

pH	12 – 14
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### Glycerol (56-81-5)

pH	5.5 – 8
----	---------

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 9 – 10 (20°C)

### 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)

pH	3.43 Temp.: 20 °C Concentration: 10 g/L
----	---

### Sodium Nitrate (7631-99-4)

pH	7 Temp.: 25 °C Remarks on result: 'other:'
----	--

### Sodium hydroxide (1310-73-2)

pH	12 – 14
----	---------

### Glycerol (56-81-5)

pH	5.5 – 8
----	---------

Respiratory or skin sensitisation : Not Classified  
Germ cell mutagenicity : Not Classified  
Carcinogenicity : Not Classified

### (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)

IARC group	3 - Not classifiable
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### 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:
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Reproductive toxicity : Not Classified

### Aluminium Oxide (1344-28-1)

NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
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### 1,2-benzisothiazol-3(2H)-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)
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STOT-single exposure : Not Classified

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### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)

STOT-single exposure May cause drowsiness or dizziness.

STOT-repeated exposure : Not Classified

### Aluminium Oxide (1344-28-1)

LOAEC (inhalation, rat,dust/mist/fume, 90 days) 0.015 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)

NOAEC (inhalation, rat, dust/mist/fume, 90 days) 0.07 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

### 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)

LOAEL (dermal, rat/rabbit, 90 days) 0.525 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days)

### Sodium Nitrate (7631-99-4)

NOAEL (oral, rat, 90 days) ≥ 1500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

### Polyethylene glycol (PEG) 200-600 (25322-68-3)

LOAEL (oral, rat, 90 days) 16000 mg/kg bodyweight Animal: rat, Guideline: other:

NOAEL (oral, rat, 90 days) 8000 mg/kg bodyweight Animal: rat, Guideline: other:

NOAEC (inhalation, rat, dust/mist/fume, 90 days) 1 mg/l air Animal: rat, 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)

### Diethyl phthalate (84-66-2)

NOAEL (oral, rat, 90 days) 150 mg/kg bodyweight Animal: rat

### D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)

NOAEL (oral, rat, 90 days) 1000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Aspiration hazard : Not Classified

### FARECLA G-SCUFF FOR PAINT PREPARATION

Viscosity, kinematic 16000 mm<sup>2</sup>/s (20°C)

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-47-8)

Hydrocarbon Yes

### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)

Viscosity, kinematic 1.33 mm<sup>2</sup>/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm<sup>2</sup>/s)'

### Sodium hydroxide (1310-73-2)

Viscosity, kinematic 1.878 mm<sup>2</sup>/s

## 11.2. Information on other hazards

No additional information available

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not Classified
Hazardous to the aquatic environment, long-term (chronic)	: Not Classified
Not rapidly degradable	

#### Aluminium Oxide (1344-28-1)

LC50 - Fish [1]	1.16 mg/l
EC50 72h - Algae [1]	1.05 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-47-8)

LC50 - Fish [1]	2.2 mg/l
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#### 1,2-benzisothiazol-3(2H)-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
EC50 - Other aquatic organisms [1]	2.94 mg/l waterflea
EC50 - Other aquatic organisms [2]	0.11 mg/l
ErC50 algae	150 µg/l

#### 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)

LC50 - Fish [1]	0.19 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 - Fish [2]	0.28 mg/l Test organisms (species): Lepomis macrochirus
EC50 - Crustacea [1]	0.16 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	0.0052 mg/l (Skeletonema costatum) (OECD 201)
EC50 72h - Algae [1]	0.048 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOEC (chronic)	0.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.098 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d'
NOEC chronic crustacea	0.004 mg/l 21 d (Daphnia) (OECD 211)
NOEC chronic algae	0.0012 mg/l 72 h (Pseudokirchneriella subcapitata) (OECD 201)

#### Sodium Nitrate (7631-99-4)

LC50 - Fish [1]	1559 mg/l Test organisms (species): other:
LC50 - Fish [2]	1354 mg/l Test organisms (species): other:
EC50 - Crustacea [1]	8609 mg/l

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<b>Sodium hydroxide (1310-73-2)</b>	
LC50 - Fish [1]	125 mg/l
EC50 - Crustacea [1]	40.4 mg/l Source: ECHA
<b>Glycerol (56-81-5)</b>	
LC50 - Fish [1]	54000 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 10000 mg/l
<b>Polyethylene glycol (PEG) 200-600 (25322-68-3)</b>	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Poecilia reticulata
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	> 100 mg/l Test organisms (species): other:
NOEC (chronic)	17475.27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	13671.59 mg/l Test organisms (species): other: Duration: '28 d'
<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
LC50 - Fish [1]	720 µg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	0.36 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	≈ 8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	0.115 mg/l Test organisms (species): other: For freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex. Duration: '16 d'
<b>Citral (5392-40-5)</b>	
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 72h - Algae [1]	103.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	19 mg/l (Species: Desmodesmus subspicatus)
<b>Alpha-pinene (80-56-8)</b>	
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
<b>Diethyl phthalate (84-66-2)</b>	
LC50 - Fish [1]	12 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 - Fish [2]	29 mg/l Test organisms (species): Cyprinodon variegatus
EC50 - Crustacea [1]	36 – 74 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	86 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 72h - Algae [1]	23 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	45 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h algae (3)	42 – 255 mg/l (Species: Pseudokirchneriella subcapitata)

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<b>Diethyl phthalate (84-66-2)</b>	
EC50 96h - Algae [1]	85.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [2]	21 mg/l (Species: Desmodesmus subspicatus [static])
EC50 96h algae (3)	2.11 – 4.29 mg/l (Species: Pseudokirchneriella subcapitata [static])
NOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	5 mg/l Test organisms (species): Cyprinus carpio Duration: '28 d'
NOEC chronic crustacea	3.8 mg/l
NOEC chronic algae	22.9 mg/l

<b>D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)</b>	
LC50 - Fish [1]	2.95 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
LC50 - Fish [2]	5.9 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	7 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	14 mg/l Test organisms (species): Daphnia magna

### 12.2. Persistence and degradability

#### FARECLA G-SCUFF FOR PAINT PREPARATION

Persistence and degradability	Inherently biodegradable.
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#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-47-8)

Persistence and degradability	No persistence data available for this product.
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#### Glycerol (56-81-5)

Biochemical oxygen demand (BOD)	0.87 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.16 g O <sub>2</sub> /g substance
ThOD	1.217 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

#### FARECLA G-SCUFF FOR PAINT PREPARATION

Bioaccumulative potential	No indication of bio-accumulation potential.
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#### Aluminium Oxide (1344-28-1)

Bioaccumulative potential	No bioaccumulation data available.
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#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-47-8)

Partition coefficient n-octanol/water (Log Kow)	6 – 8.2
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#### 1,2-benzisothiazol-3(2H)-one (2634-33-5)

BCF - Fish [1]	6.62
Partition coefficient n-octanol/water (Log Pow)	-0.9 – 0.99

#### 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)

BCF - Fish [1]	41 – 54
Bioconcentration factor (BCF REACH)	3.6 (calculated) S 1177
Partition coefficient n-octanol/water (Log Pow)	0.75

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<b>Sodium Nitrate (7631-99-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	-3.8
<b>Sodium hydroxide (1310-73-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	-3.88 Source: SRC
<b>Glycerol (56-81-5)</b>	
BCF - Fish [1]	(no bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	-1.75
Partition coefficient n-octanol/water (Log Kow)	-1.76
<b>Citral (5392-40-5)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.76 (at 25 °C)
<b>Alpha-pinene (80-56-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	4.1
<b>Diethyl phthalate (84-66-2)</b>	
BCF - Fish [1]	117
Partition coefficient n-octanol/water (Log Pow)	2.35 (at 20 °C)

### 12.4. Mobility in soil

<b>FARECLA G-SCUFF FOR PAINT PREPARATION</b>	
Ecology - soil	Readily absorbed into soil.
<b>1,2-benzisothiazol-3(2H)-one (2634-33-5)</b>	
Surface tension	72.6 mN/m
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.97
<b>5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)</b>	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.81 – 1
<b>Glycerol (56-81-5)</b>	
Surface tension	63.4 mN/m
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0

### 12.5. Results of PBT and vPvB assessment

<b>FARECLA G-SCUFF FOR PAINT PREPARATION</b>	
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	
<b>Component</b>	
Aluminium Oxide (1344-28-1)	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
1,2-benzisothiazol-3(2H)-one (2634-33-5)	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

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Component	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)	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
Sodium Nitrate (7631-99-4)	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
Glycerol (56-81-5)	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. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
European List of Waste (LoW) code	: 08 04 12 - adhesive and sealant sludges other than those mentioned in 08 04 11
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
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

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### Inland waterway transport

Not applicable

### Rail transport

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

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

CESIO recommendations

: 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.

#### REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(b)	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics ; 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone ; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; (R)-p-mentha-1,8-diene; d-limonene ; Citral ; Alpha-pinene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(a)	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; (R)-p-mentha-1,8-diene; d-limonene ; Alpha-pinene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(c)	5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone ; (R)-p-mentha-1,8-diene; d-limonene ; Alpha-pinene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; (R)-p-mentha-1,8-diene; d-limonene ; Alpha-pinene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

#### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### REACH Candidate List (SVHC)

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



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### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### VOC Directive (2004/42)

VOC content : 67.4 g/l (4.65%)

### Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### ANNEX II REPORTABLE EXPLOSIVES PRECURSORS

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

Name	CAS-No.	Combined Nomenclature code (CN)	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Sodium nitrate	7631-99-4	3102 50 00	ex 3824 99 96

Please see [https://ec.europa.eu/home-affairs/system/files/2021-11/list\\_of\\_competent\\_authorities\\_and\\_national\\_contact\\_points\\_en.pdf](https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

##### France

Occupational diseases	
Code	Description
RG 65	Eczematiform lesions of allergic mechanism
RG 66	Occupational rhinitis and asthma
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

##### Germany

Water hazard class (WGK)

: WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

Storage class (LGK, TRGS 510)

: LGK 12 - Non-combustible liquids.

Joint storage table

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for

: LGK 1, LGK 6.2, LGK 7.

Joint storage with restrictions permitted for

: LGK 4.1A, LGK 4.3, LGK 5.1C.

Joint storage permitted for

: LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13.

Hazardous Incident Ordinance (12. BImSchV)

: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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### Netherlands

ABM category	: A(3) - hazardous for aquatic organisms, may have longterm hazardous effects in aquatic environment
SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed

### Denmark

Classification remarks	: Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	: Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### Switzerland

Storage class (LK)	: LK 10/12 - Liquids
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## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### 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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit

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### Abbreviations and acronyms:

PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

### Full text of H- and EUH-statements:

Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
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 (Oral)	Acute toxicity (oral), Category 3
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
Asp. Tox. 1	Aspiration hazard, Category 1
EUH208	Contains 1,2-benzisothiazol-3(2H)-one(2634-33-5), 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone(55965-84-9). May produce an allergic reaction.
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H272	May intensify fire; oxidiser.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal 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.

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### Full text of H- and EUH-statements:

H330	Fatal if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Ox. Sol. 3	Oxidising Solids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

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