



SAFETY DATA SHEET

SMOOTH VANILLA

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 17.08.2020

1.1. Product identifier

Product name SMOOTH VANILLA

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

Function Description: Perfumes, fragrances
Code: PC28

Product group Fragrances

Use of the substance / preparation Air freshener

Main intended use PC-TEC-6 Fragrances

Secondary uses PC-AIR-7 Candles - scented and unscented

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Downstream user

Company name Paraffinhuset A/S

Postal address Orevej 211

Postcode 4760

City Vordingborg

Country Denmark

Telephone number + 45 55 34 05 05

Email stine@paraffinhuset.dk

Website www.paraffinhuset.dk

Enterprise No. 37290505

Contact person Stine Beck Petersen, Managing Director

1.4. Emergency telephone number

Emergency telephone Telephone number: + 45 55 34 05 05

Description: Internal emergency number, Monday-Thursday 8 a.m. - 5 p.m.,
Friday 8 a.m. - 4 p.m.

Telephone number: Ireland:

+353 (1) 809 2166

(8.00 a.m. to 10.00 p.m. 7 days a week)

Description: National Poisons Information Centre

Telephone number: England und Wales (NHS Direct): 111

NHS 24 in Scotland: +44 (0) 8454 24 24 24 (UK only)

Description: United Kingdom: National Poison Information Service (NPIS), City
Hospital, Birmingham B18 7QH, <http://www.npis.org/npis.html>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin Sens. 1; H317; Calculation method

Eye Irrit. 2; H319; Calculation method

In compliance with ATP nr.

CLP13-2018/1480

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label

Benzyl alcohol, Cumarin

Signal word

Warning

Hazard statements

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Precautionary statements

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.

P280 Wear protective gloves.

P333+P313 If skin irritation or rash occurs: Get medical advice / attention.

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

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents / container to an approved disposal company.

2.3. Other hazards

PBT / vPvB

This product does not contain any PBT or vPvB substances.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Composition type

Mixture

Formulation type

OL Oil miscible liquid

Substance	Identification	Classification	Contents	Notes
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Benzyl alcohol	CAS No.: 100-51-6 EC No.: 202-859-9 Index No.: 603-057-00-5 REACH Reg. No.: 01-2119492630-38-XXXX	Acute Tox. 4; H302; On basis of test data Acute Tox. 4; H332; On basis of test data Eye Irrit. 2; H319; On basis of test data	≥ 10 < 20 % wt/wt	1
Cumarin	CAS No.: 91-64-5 EC No.: 202-086-7 REACH Reg. No.: 01-2119943756-26-XXXX	Acute Tox. 4; H302; On basis of test data Skin Sens. 1B; H317; On basis of test data Aquatic Chronic 3; H412; On basis of test data	≥ 5 < 10 % wt/wt	1
Vanillin	CAS No.: 121-33-5 EC No.: 204-465-2 REACH Reg. No.: 01-2119516040-60-XXXX	Eye Irrit. 2; H319; On basis of test data	≥ 1 < 5 % wt/wt	1
Anisaldehyde	CAS No.: 123-11-5 EC No.: 204-602-6 REACH Reg. No.: 01-2119977101-43-XXXX	Aquatic Chronic 3; H412; On basis of test data	≥ 1 < 2,5 % wt/wt	1

¹Substance classified with a health or environmental hazard

Description of the mixture

Liquid mixture.

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Let yourself be treated by a doctor if you have complaints and symptoms. If there is a risk of unconsciousness, prepare the victim for transport in a stable sideways position.
Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Skin contact	IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. IF ON SKIN: Gently wash with plenty of soap and water.
Eye contact	Rinse eyes immediately and thoroughly for 15 minutes with open lids under running water, protecting uninjured eyes. Arrange for ophthalmological treatment in the event of complaints and symptoms.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

General symptoms and effects	see section 11.1
Acute symptoms and effects	SKIN CONTACT: Potential irritation and redness in the contact area. EYE CONTACT: May cause irritation and redness. Can cause excessive tearing. INGESTION: possible pain and redness of the mouth and throat. INHALATION: Exposure may cause coughing or wheezing.
Delayed symptoms and effects	Delayed effects are to be expected after prolonged exposure.

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

Medical treatment

Decontamination, symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit local situation and surroundings. Carbon dioxide (CO₂). Powder. Alcohol resistant foam.

Improper extinguishing media

Water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Dangerous decomposition products may be released at high temperatures.

5.3. Advice for firefighters

Special protective equipment for firefighters

Wear self-contained breathing apparatus when extinguishing. Wear protective clothing to prevent eye or skin contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures

Wear protective clothing as described in Section 8 of this safety data sheet. To prevent leakage, place leaking containers so that the leak is on top.

6.2. Environmental precautions

Environmental precautionary measures

Avoid discharge into water courses or onto the ground. Comply with spills.

6.3. Methods and material for containment and cleaning up

Clean up

Contain spillages with sand, earth or any suitable absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections

Other instructions

cf. section 8 for personal protection, and section 13 for waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling

Avoid contact with eyes and prolonged skin contact. Avoid forming spray/aerosol mists.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Store in a cool and well-ventilated place. Store in tightly closed original container.

Conditions for safe storage

Storage temperature

Value: 10 - 30 °C

7.3. Specific end use(s)

Recommendations

see section 1.2

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Benzyl alcohol	CAS No.: 100-51-6	Country of origin: Germany Limit value type: AGW Limit value (8 h) : 22 mg/m ³ Limit value (short term) Value: 44 mg/m ³ Limit value (short term) Appraisal period: 15 minutes Exposure limit letter Letter code: AGW - short term value AGW - long term value Exposure limit letter Letter description: Occupational exposure limit - 15-minute average Occupational exposure limit - 8-hour shift average Source: Technical rules for hazardous substances (TRGS) 900 Committee for hazardous substances (AGS) / Germany	

DNEL / PNEC

Substance

Benzyl alcohol

DNEL

Group: Industrial
Route of exposure: Long-term inhalation (systemic)
Value: 22 mg/m³

Group: Industrial
Route of exposure: Acute inhalation (systemic)
Value: 110 mg/m³

Group: Industrial
Route of exposure: Long-term dermal (systemic)
Value: 8 mg/kg bw/day

Group: Industrial
Route of exposure: Acute dermal (systemic)
Value: 40 mg/kg bw/day

PNEC

Group: Consumer
Route of exposure: Long-term inhalation (systemic)
Value: 5,4 mg/m³

Group: Consumer
Route of exposure: Acute inhalation (systemic)
Value: 27 mg/m³

Group: Consumer
Route of exposure: Long-term dermal (systemic)
Value: 4 mg/kg bw/day

Group: Consumer
Route of exposure: Acute dermal (systemic)
Value: 20 mg/kg bw/day

Group: Consumer
Route of exposure: Long-term oral (systemic)
Value: 4 mg/m³

Group: Consumer
Route of exposure: Acute oral (systemic)
Value: 20 mg/kg bw/day

Route of exposure: Freshwater
Value: 1 mg/l

Route of exposure: Saltwater
Value: 0,1 mg/l

Route of exposure: Sewage treatment plant STP
Value: 39 mg/l

Route of exposure: Freshwater sediments
Value: 5,27

Route of exposure: Saltwater sediments
Value: 0,527 mg/l

Route of exposure: Soil
Value: 0,456 mg/kg dw

Substance

Cumarin

DNEL

Group: Industrial
Route of exposure: Long-term inhalation (systemic)
Value: 6,78 mg/m³

Group: Industrial
Route of exposure: Long-term dermal (systemic)
Value: 0,79 mg/kg bw/day

Group: Consumer
Route of exposure: Long-term inhalation (systemic)
Value: 1,69 mg/m³

Group: Consumer
Route of exposure: Long-term dermal (systemic)

	<p>Value: 0,39 mg/m³</p> <p>Group: Consumer</p> <p>Route of exposure: Long-term oral (systemic)</p> <p>Value: 0,39 mg/kg bw/day</p>
PNEC	<p>Route of exposure: Freshwater</p> <p>Value: 19 µg/l</p> <p>Route of exposure: Saltwater</p> <p>Value: 0,19 µg/l</p> <p>Route of exposure: Sewage treatment plant STP</p> <p>Value: 6,4 mg/l</p> <p>Route of exposure: Freshwater sediments</p> <p>Value: 0,15 mg/kg dw</p> <p>Route of exposure: Saltwater sediments</p> <p>Value: 0,015 mg/kg dw</p> <p>Route of exposure: Soil</p> <p>Value: 0,018 mg/kg dw</p>
Substance	Vanillin
PNEC	<p>Route of exposure: Freshwater</p> <p>Value: 0,118 mg/l</p> <p>Route of exposure: Saltwater</p> <p>Value: 0,012 mg/l</p> <p>Route of exposure: Sewage treatment plant STP</p> <p>Value: 10 mg/l</p> <p>Route of exposure: Saltwater sediments</p> <p>Value: 58,22 mg/l</p> <p>Route of exposure: Saltwater sediments</p> <p>Value: 5,822 mg/l</p> <p>Route of exposure: Soil</p> <p>Value: 11,54 mg/l</p>
Substance	Anisaldehyde
DNEL	<p>Group: Industrial</p> <p>Route of exposure: Long-term inhalation (systemic)</p> <p>Value: 5,88 mg/m³</p> <p>Group: Industrial</p> <p>Route of exposure: Long-term dermal (systemic)</p> <p>Value: 3,33 mg/kg bw/day</p> <p>Group: Consumer</p> <p>Route of exposure: Long-term inhalation (systemic)</p> <p>Value: 1,74 mg/m³</p> <p>Group: Consumer</p>

PNEC

Route of exposure: Long-term dermal (systemic)**Value:** 2 mg/kg bw/day**Group:** Consumer**Route of exposure:** Long-term oral (systemic)**Value:** 1 mg/kg bw/day**Route of exposure:** Freshwater**Value:** 13 µg/l**Route of exposure:** Saltwater**Value:** 1,3 µg/l**Route of exposure:** Sewage treatment plant STP**Value:** 8,5 mg/l**Route of exposure:** Freshwater sediments**Value:** 0,06 mg/kg dw**Route of exposure:** Saltwater sediments**Value:** 0,006 mg/kg dw**Route of exposure:** Soil**Value:** 0,004 mg/kg dw

8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Eye / face protection

Suitable eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable. EN 166

Additional eye protection measures

Provide eye wash.

Hand protection

Suitable gloves type

Use suitable protective gloves if risk of skin contact. EN 374

Suitable materials

Butyl rubber gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Breakthrough time

Value: ≤ 120 minute(s)

Comments: With full contact

Thickness of glove material

Value: 0,4 mm

Skin protection

Suitable protective clothing

Use solvent-resistant protective clothing.

Respiratory protection

Respiratory protection necessary at

In general, respiratory protection is not required. If there is a risk of aerosol formation, wear a half / full face mask with a particle filter.

Tasks needing respiratory protection

Emergencies

Hygiene / environmental

Specific hygiene measures

When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Physical state	Light viscous.
Colour	Light yellow to yellow.
Colour intensity	Light.
Odour	Floral. Like food.
pH	Comments: Not relevant.
Melting point / melting range	Reason for waiving data: No data.
Freezing point	Reason for waiving data: No data.
Boiling point / boiling range	Reason for waiving data: No data.
Flash point	Value: 111 °C
Evaporation rate	Reason for waiving data: No data.
Flammability (solid, gas)	Data lacking.
Lower explosion limit with unit of measurement	Reason for waiving data: No data.
Upper explosion limit with units of measurement	Reason for waiving data: No data.
Explosion limit	Reason for waiving data: No data.
Vapour pressure	Value: 0,6289 hPa Method: Calculation (99.9%) Temperature: 20 °C Reason for waiving data: No data.
Vapour density	Reason for waiving data: No data.
Relative density	Reason for waiving data: No data.
Density	Value: 918,34 kg/m³ Temperature: 20 °C

	Reason for waiving data: No data.
Bulk density	Reason for waiving data: Cannot be determined.
Solubility	Medium: Water Comments: Not soluble in water.
Partition coefficient: n-octanol/ water	Reason for waiving data: No data.
Spontaneous combustability	Reason for waiving data: No data.
Decomposition temperature	Reason for waiving data: No data.
Viscosity	Comments: light viscous Reason for waiving data: No data.
Explosive properties	Not explosive.
Oxidising properties	No oxidizing properties.

9.2. Other information

Other physical and chemical properties

Comments	No data recorded.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable under normal conditions.
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10.2. Chemical stability

Stability	Stable under normal storage and use conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions under regular storage and handlings conditions known.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat.
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10.5. Incompatible materials

Materials to avoid	Strong acids and bases, strong oxidizing and reducing agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Carbon monoxide, carbon dioxide, organic decomposition products.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Benzyl alcohol
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Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Value: 1230 mg/kg bw Animal test species: Rat</p> <p>Effect tested: LC50 Route of exposure: Inhalation. (mist) Method: OECD 403 Duration: 4 hour(s) Value: > 4178 mg/m³ Animal test species: Rat</p> <p>Effect tested: LD50 Route of exposure: Dermal Method: EPA OTS 798.1100 Duration: 24 hour(s) Value: > 2000 mg/kg bw /d Animal test species: Rabbit</p>
Substance	Cumarin
Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Value: 520 mg/kg bw /d Animal test species: Rat</p>
Substance	Vanillin
Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Method: EU B.1 Value: 3925 mg/kg bw /d Animal test species: Mouse</p> <p>Effect tested: LC50 Route of exposure: Inhalation (vapour) Duration: 4 hour(s) Value: > 41,7 mg/m³ Animal test species: Rat</p> <p>Effect tested: LD50 Route of exposure: Dermal Method: OECD 403 Value: > 5100 mg/kg bw /d Animal test species: Rabbit</p>
Substance	Anisaldehyde
Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Method: OECD 401 Value: 3210 mg/kg bw Animal test species: Rat</p> <p>Effect tested: LC50 Route of exposure: Inhalation (vapour) Duration: 7 hour(s) Value: 0,32 mg/l</p>

Animal test species: Rat

Effect tested: LD50

Route of exposure: Dermal

Value: > 5000 mg/kg bw

Animal test species: Rabbit

Other information regarding health hazards

Assessment of acute toxicity, classification	Based on the available data, the classification criteria are not met.
Toxicokinetics	No data recorded.
Skin corrosion / irritation, other information	Based on the available data, the classification criteria are not met.
Eye damage or irritation other information	Classified as irritating to the eyes.
Assessment of skin sensitisation, classification	May cause an allergic skin reaction.
General	Effects are to be expected after prolonged exposure.
Inhalation	Exposure can cause coughing or wheezing.
Skin contact	Possible irritation and redness in the contact area.
Eye contact	It can cause irritation and redness. Can cause excessive tearing.
Ingestion	Possible soreness and redness of the mouth and throat.
Sensitisation	May cause an allergic skin reaction.
Mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity, other information	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on the available data, the classification criteria are not met.
Assessment of specific target organ toxicity - single exposure, classification	Based on the available data, the classification criteria are not met.
Assessment of specific target organ toxicity - repeated exposure, classification	Based on the available data, the classification criteria are not met.
Assessment of aspiration hazard, classification	Based on the available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Benzyl alcohol
Aquatic toxicity, fish	Toxicity type: Acute Value: 460 mg/l Effect dose concentration : LC50 Exposure time: 96 hour(s) Species: Pimephales promelas Method: EPA OPP 72-1

Substance	Cumarin
Aquatic toxicity, fish	Toxicity type: Acute Value: 2,94 mg/l Effect dose concentration : LC50 Exposure time: 96 hour(s) Method: QSAR Calculation
Substance	Vanillin
Aquatic toxicity, fish	Toxicity type: Acute Value: 57 mg/l Effect dose concentration : LC50 Exposure time: 96 hour(s) Species: Pimephales promelas Method: OECD 203
Substance	Anisaldehyde
Aquatic toxicity, fish	Toxicity type: Acute Value: 148,32 mg/l Effect dose concentration : LC50 Exposure time: 96 hour(s) Species: Leuciscus idus Method: DIN 38 412, part L15
Substance	Benzyl alcohol
Aquatic toxicity, algae	Toxicity type: Acute Value: 770 mg/l Effect dose concentration : IC50 Exposure time: 72 hour(s) Species: Pseudokirchnerella subcapitata Method: OECD 201
Substance	Cumarin
Aquatic toxicity, algae	Toxicity type: Acute Value: 1,452 mg/l Effect dose concentration : IC50 Exposure time: 96 hour(s) Method: QSAR Calculation
Substance	Vanillin
Aquatic toxicity, algae	Toxicity type: Acute Value: 120 mg/l Effect dose concentration : IC50 Exposure time: 72 hour(s) Species: Pseudokirchneriella subcapitata Method: OECD 201
Substance	Anisaldehyde
Aquatic toxicity, algae	Toxicity type: Acute Value: 61 mg/l Effect dose concentration : IC50 Exposure time: 72 hour(s) Species: Pseudokirchneriella subcapitata Method: OECD 201

Substance	Benzyl alcohol
Aquatic toxicity, crustacean	Toxicity type: Acute Value: 230 mg/l Effect dose concentration : EC50 Exposure time: 24 hour(s) Species: Daphnia magna Method: DIN 38412, Teil 11
Substance	Cumarin
Aquatic toxicity, crustacean	Toxicity type: Acute Value: 24,5 mg/l Effect dose concentration : EC50 Species: Freshwater invertebrates Toxicity type: Acute Value: 0,012 mg/l Effect dose concentration : EC50 Species: Marine invertebrates
Substance	Vanillin
Aquatic toxicity, crustacean	Toxicity type: Acute Value: 39,79 mg/l Effect dose concentration : EC50 Exposure time: 48 hour(s) Species: Daphnia magna Method: OECD 202
Substance	Anisaldehyde
Aquatic toxicity, crustacean	Toxicity type: Acute Value: 82,8 mg/l Effect dose concentration : EC50 Exposure time: 48 hour(s) Species: Daphnia magna Method: EU C.2
Ecotoxicity	The product contains a substance which may cause long term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	slightly bio-degradable
Chemical oxygen demand (COD)	Comments: No data recorded.
Biological oxygen demand (BOD)	Comments: No data recorded.

12.3. Bioaccumulative potential

Bioaccumulation, comments	The components of the product are not bioaccumulating.
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12.4. Mobility in soil

Mobility	The product contains substances, which are bound to particulate matter and are withheld in the earth.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB
assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Ozone depletion potential

Comments: Ozone depletion potential not known.

Photochemical ozone creation
potential

Comments: Ozone formation potential not known.

Global warming potential

Comments: Global greenhouse effect not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal
for the chemical

Check re-use possibilities. Residues and wastes as well as not completely emptied containers shall to be packed, closed, labelled and deposited acc. to national and regional legal regulations. Within EU the waste key codes of the European Waste Catalogue (EWC) acc. to Decision 2000/532/EC shall apply. The assignment of the waste to the EWC waste key codes corresponding to the sector of use and the processes is a task of the waste producer.

Appropriate methods of disposal
for the contaminated packaging

Dispose of waste and residues in accordance with local authority requirements.

EWC waste code

EWC waste code: 160305 organic wastes containing dangerous substances
Classified as hazardous waste: Yes

EWL packing

EWC waste code: 150106 mixed packaging
Classified as hazardous waste: Yes

SECTION 14: Transport information

Dangerous goods

No

14.1. UN number

Comments

Not relevant.

14.2. UN proper shipping name

Comments

Not relevant.

14.3. Transport hazard class(es)

Comments

Not relevant.

14.4. Packing group

Comments

Not relevant.

14.5. Environmental hazards

ADR/RID/ADN

Not relevant.

IMDG	Not relevant.
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ICAO/IATA	Not relevant.
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14.6. Special precautions for user

Special safety precautions for user see section 7

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

Ship type required	Not relevant.
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Pollution category	Not relevant.
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ADR/RID Other information

Limited quantity	Not relevant.
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ADN Other information

Special provisions	Not relevant.
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IMDG Other information

Limited quantity	Not relevant.
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ICAO/IATA Other information

Other transport, general	Not relevant.
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SECTION 15: Regulatory information

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

EEC-directive	Regulation (EC) No. 1907/2006 and Regulation (EC) 2015/830. Regulation (EC) No. 1272/2008 on classification, labeling and packaging of substances and mixtures.
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Legislation and regulations	<p>Great Britain / United Kingdom (GB/UK):</p> <p>Health and Safety at Work Act 1974.</p> <p>The Managing for health and safety (HSG65) 2013.</p> <p>L5 Control of substances hazardous to Health. The Control of Substances Hazardous to Health Regulations 2002. Approved codes of practice and guidance. Guidance Note EH40 – Occupational Exposure Limits.</p> <p>BS EN ISO 10882-1:2001 – health and safety in welding and allied processes – sampling of air-borne particles and gases in the operator's breathing zone – part 1: sampling of airborne particles.</p> <p>Irish Republic / Poblacht na hÉireann or Saorstát Éireann (IR):</p> <p>Chemical Acts 2008 (No. 13 of 2008).</p> <p>Chemicals (Amendment) Act 2010 (No. 32. Of 2010).</p> <p>Chemicals Act 2010 (Commencement) Order 2010 (S.I. No. 591).</p> <p>Chemicals Act (Control of Major Accident Hazards involving Dangerous Substances) Regulations 2015 (S.I. No. 209 of 2015).</p>
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Chemicals (Asbestos Articles) Regulations 2011 (S.I. No. 248 of 2011).
 The Chemicals Act (CLP Regulation) Regulations 2011 (S.I. No. 102 of 2011).
 Guidance on the Chemicals Acts 2008 and 2010.
 Informal Consolidation of the Chemicals Act 2008.
 Chemicals (Amendment) Act 2010 and S.I. 213 of 2019.
 Chemicals Act 2008 (Rotterdam Regulation) Regulations 2019 (S.I. No. 213 of 2019).
 Safety, Health and Welfare Act 2005 (No. 10 of 2005).
 Safety, Health and Welfare At Work (Chemical Agents) Regulations 2015 (S.I. No. 623 of 2015).
 Safety, Health and Welfare At Work (Carcinogens) Regulations 2015 (S.I. No. 622 of 2015).
 Safety, Health and Welfare at Work (Biological Agents) Regulations 2013 (S.I. No. 572 of 2013).
 Safety, Health and Welfare at Work (Exposure to Asbestos) (Amendment) Regulations 2010 (S.I. No. 589 of 2010).

15.2. Chemical safety assessment

Chemical safety assessment performed	No
Chemical safety assessment	No data recorded.

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	<p>H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H412 Harmful to aquatic life with long lasting effects.</p>
Abbreviations and acronyms used	<p>ACGIH: U.S. American Conference of Governmental Industrial Hygienists ADR: Accord Européen sur le Transport des Marchandises Dangereuses par Route / European Agreement concerning the International Carriage of Dangerous Goods by Road ATP: Adoption to technical progress CAS: Chemical Abstracts Service (section of the American Chemical Society) CLP: Classification, labelling and packaging of substances and mixtures DPD: Directive 1999/45/EC (Preparation Directive) DSD: Directive 67/548/EEC (Substance Directive) EC50: Effect Concentration, mean ECHA: European Chemicals Agency EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of New Commercial Chemical Substances GHS: Globally Harmonized System of Classification and Labelling of Chemicals IATA: International Air Transport Association IC50: Inhibition Concentration, mean ICAO: International Civil Aviation Organization IMDG: International Maritime Code for Dangerous Goods IMO: International Maritime Organization LC50: Lethal Concentration, mean LD50: Lethal Dose, mean LOAEC: Lowest observed adverse effect concentration LOAEL: Lowest observed adverse effect level</p>

NOAEL: No observed adverse effect level
NIOSH: U.S. National Institute for Occupational Safety and Health
OSHA: U.S. Occupational Safety and Health Administration
PBT: Persistent, bio-accumulative and toxic
REACH: Regulation on the Registration, Evaluation, Authorization and Restriction of Chemicals
RID: Règlement International Concernant le Transport des Marchandises Dangereuses par Chemin de Fer / Regulations Concerning the International Transport of Dangerous Goods by Rail
vPvB: Very persistent and very bio-accumulative

Version

1

Comments

The information in this safety data sheet corresponds to the knowledge at the time of creation. The information is intended to provide guidelines for safe handling of the product mentioned in the safety data sheet during storage, processing, transport and disposal. However, the information does not represent guaranteed properties of the product and is not transferable to other products.

Insofar as the product mentioned in this safety data sheet is mixed, mixed or processed with other materials, the information in this safety data sheet, unless expressly stated otherwise, cannot be transferred to the new material made in this way.