

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: 2030 UNDERBODY ELASTIL STONE CHIP PROTECTION

Creation date: 4.5.2018 · Revision: 12.8.2019 · Version: 1

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name

2030 UNDERBODY ELASTIL STONE CHIP PROTECTION



chemius.net/OPi48

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

Relevant identified uses

Chassis coating. Reserved for industrial and professional use.

Uses advised against

No information.

1.3. Details of the supplier of the safety data sheet

Manufacturer

SILCO, D.O.O.

Address: Šentrupert 5 a, 3303 Gomilsko, Slovenia

Phone: +386 3 703 3180

Fax: +386 3 703 3188

E-mail: n.cvilak@silco-automotive.com

Point of contact for safety info: Nejc Cvilak

1.4. Emergency telephone number

Emergency

112

Supplier

+386 3 703 3180

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Flam. Liq. 2; H225 Highly flammable liquid and vapour.

Skin Irrit. 2; H315 Causes skin irritation.

STOT SE 3; H336 May cause drowsiness or dizziness.

Repr. 2; H361d Suspected of damaging the unborn child.

Lact.; H362 May cause harm to breast-fed children.

STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

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2.2 Label elements

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



Signal word: **Danger**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H362 May cause harm to breast-fed children.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P403 Store in a well-ventilated place.

P501 Dispose of contents/container to an authorised waste collection point.

2.2.2. Contains:

toluene (CAS: 108-88-3, EC: 203-625-9, Index: 601-021-00-3)

n-butyl acetate (CAS: 123-86-4, EC: 204-658-1, Index: 607-025-00-1)

alkanes, C14-17, chloro (CAS: 85535-85-9, EC: 287-477-0, Index: 602-095-00-X)

2.2.3. Special provisions

Special hazards are not known or expected.

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

For mixtures see 3.2.

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3.2. Mixtures

Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
toluene	108-88-3 203-625-9 601-021-00-3	≥20-<30	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Repr. 2; H361d STOT RE 2; H373		01-2119471310-51
n-butyl acetate	123-86-4 204-658-1 607-025-00-1	≥1-<10	Flam. Liq. 3; H226 STOT SE 3; H336		01-2119485493-29
alkanes, C14-17, chloro	85535-85-9 287-477-0 602-095-00-X	≥1-<2,5	Lact.; H362 Aquatic Acute 1; H400 Aquatic Chronic 1; H410		01-2119519269-33

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General notes

When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms develop and persist, seek medical attention. If symptoms occur, seek medical advice.

Following skin contact

Wash affected skin areas thoroughly with plenty of water and soap. Take off all contaminated clothing. If symptoms develop and persist, seek medical attention.

Following eye contact

If the patient is wearing contact lenses, remove them immediately. Immediately flush eyes with running water, keeping eyelids apart. Protect the undamaged eye. If irritation does not stop, seek professional medical treatment!

Following ingestion

Rinse mouth thoroughly with water. Do not induce vomiting! Do not drink milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

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

Inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

Vapours may cause drowsiness and dizziness.

Symptoms include: headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness.

Skin contact

Itching, redness, pain.

Eye contact

Contact with eyes can cause irritation (redness, tearing, pain).

Ingestion

May cause abdominal discomfort.

May cause nausea/vomiting and diarrhea.

Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area.

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

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SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam.
Carbon dioxide (CO₂).
Fire extinguishing powder.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of heating harmful vapours/gases can be generated.

5.3. Advice for firefighters

Protective actions

Cool containers at risk with water spray. If possible remove containers from endangered area. Prolonged heating can cause an explosion. Vapours can form explosive mixtures with air. In case of fire or heating do not breathe fumes/vapours. Prevent spillage of extinguishing agents into sewers and water courses.

Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

Additional information

Contaminated extinguishing agents must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

Use personal protective equipment (Section 8).

Emergency procedures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking! Prevent access to unprotected personnel. No action shall be taken involving any personal risk or without suitable training. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

Use personal protective equipment.

6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

Stem the spill if this does not pose risks. Limit spillages with non-combustible absorbents, e.g. sand, earth, vermiculite, diatomaceous earth.

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6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Dispose in accordance with applicable regulations (see Section 13). Use spark-proof tools. Ventilate the premises. Prevent release into the sewer, water, basements or confined areas.

6.3.3. Other information

See Section 1 for contact information in case of emergency. See Section 7: safe handling.

6.4. Reference to other sections

See also Sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Protective measures

Measures to prevent fire

Ensure adequate ventilation. Take precautionary measures against static discharges. Keep away from sources of ignition - no smoking. Use spark-proof tools. Vapours are heavier than air and spread along the floor. They form explosive mixtures with air.

Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

7.1.2. Advice on general occupational hygiene

Do not eat, drink or smoke while working. Do not breathe vapours/mist. Use good personal hygiene practices – wash hands at breaks and when done working with material. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8. Avoid exposure - obtain special instructions before using.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Technical measures and storage conditions

Store in accordance with local regulations. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances. Keep away from sources of ignition - no smoking. Keep in a cool, dry and well ventilated place. Maximum storage period: 12 months.

7.2.2. Packaging materials

Store only in original container.

7.2.3. Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

7.2.4. Storage class

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7.2.5. Further information on storage conditions

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7.3. Specific end use(s)

Recommendations

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Industrial sector specific solutions

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Occupational exposure limit values

Name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m ³ (ppm)	mg/m ³	ml/m ³ (ppm)	mg/m ³		
Butyl acetate (123-86-4)	150	724	200	966		
Toluene (108-88-3)	50	191	100	384	Sk	

8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

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Name	Type	Exposure route	Exposure frequency	Value	Remark
toluene (108-88-3)	Worker	inhalation	long term (systemic effects)	192 mg/m ³	
toluene (108-88-3)	Worker	inhalation	short term (systemic effects)	384 mg/m ³	
toluene (108-88-3)	Worker	inhalation	long term (local effects)	192 mg/m ³	
toluene (108-88-3)	Worker	inhalation	short term (local effects)	384 mg/m ³	
toluene (108-88-3)	Worker	dermal	long term (systemic effects)	384 mg/kg bw/day	
toluene (108-88-3)	Consumer	inhalation	long term (systemic effects)	56,5 mg/m ³	
toluene (108-88-3)	Consumer	inhalation	short term (systemic effects)	226 mg/m ³	
toluene (108-88-3)	Consumer	inhalation	long term (local effects)	56,5 mg/m ³	
toluene (108-88-3)	Consumer	inhalation	short term (local effects)	226 mg/m ³	
toluene (108-88-3)	Consumer	dermal	long term (systemic effects)	226 mg/kg bw/day	
toluene (108-88-3)	Consumer	oral	long term (systemic effects)	8,13 mg/kg bw/day	
n-butyl acetate (123-86-4)	Worker	inhalation	long term (systemic effects)	300 mg/m ³	
n-butyl acetate (123-86-4)	Worker	inhalation	short term (systemic effects)	600 mg/m ³	
n-butyl acetate (123-86-4)	Worker	inhalation	long term (local effects)	300 mg/m ³	
n-butyl acetate (123-86-4)	Worker	inhalation	short term (local effects)	600 mg/m ³	
n-butyl acetate (123-86-4)	Worker	dermal	long term (systemic effects)	11 mg/kg bw/day	
n-butyl acetate (123-86-4)	Worker	dermal	short term (systemic effects)	11 mg/kg bw/day	
n-butyl acetate (123-86-4)	Consumer	inhalation	long term (systemic effects)	35,7 mg/m ³	
n-butyl acetate (123-86-4)	Consumer	inhalation	short term (systemic effects)	300 mg/m ³	
n-butyl acetate (123-86-4)	Consumer	inhalation	long term (local effects)	35,7 mg/m ³	
n-butyl acetate (123-86-4)	Consumer	inhalation	short term (local effects)	300 mg/m ³	
n-butyl acetate (123-86-4)	Consumer	dermal	long term (systemic effects)	6 mg/kg bw/day	
n-butyl acetate (123-86-4)	Consumer	dermal	short term (systemic effects)	6 mg/kg bw/day	
n-butyl acetate (123-86-4)	Consumer	oral	long term (systemic effects)	2 mg/kg bw/day	
n-butyl acetate (123-86-4)	Consumer	oral	short term (systemic effects)	2 mg/kg bw/day	
alkanes, C14-17, chloro (85535-85-9)	Worker	inhalation	long term (systemic effects)	6,7 mg/m ³	
alkanes, C14-17, chloro (85535-85-9)	Worker	dermal	long term (systemic effects)	47,9 mg/kg bw/day	
alkanes, C14-17, chloro (85535-85-9)	Consumer	inhalation	long term (systemic effects)	2 mg/m ³	
alkanes, C14-17, chloro (85535-85-9)	Consumer	dermal	long term (systemic effects)	28,75 mg/kg bw/day	
alkanes, C14-17, chloro (85535-85-9)	Consumer	oral	long term (systemic effects)	0,58 mg/kg bw/day	

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8.1.4. PNEC values

For components

Name	Exposure route	Value	Remark
toluene (108-88-3)	fresh water	0,68 mg/L	
toluene (108-88-3)	water, intermittent release	0,68 mg/L	fresh water
toluene (108-88-3)	marine water	0,68 mg/L	
toluene (108-88-3)	water treatment plant	13,61 mg/L	
toluene (108-88-3)	fresh water sediment	16,39 mg/kg	dry weight
toluene (108-88-3)	marine water sediment	16,39 mg/kg	dry weight
toluene (108-88-3)	soil	2,89 mg/kg	dry weight
n-butyl acetate (123-86-4)	fresh water	0,18 mg/L	
n-butyl acetate (123-86-4)	water, intermittent release	0,36 mg/L	fresh water
n-butyl acetate (123-86-4)	marine water	0,018 mg/L	
n-butyl acetate (123-86-4)	water treatment plant	35,6 mg/L	
n-butyl acetate (123-86-4)	fresh water sediment	0,981 mg/kg	dry weight
n-butyl acetate (123-86-4)	marine water sediment	0,098 mg/kg	dry weight
n-butyl acetate (123-86-4)	soil	0,09 mg/kg	dry weight
alkanes, C14-17, chloro (85535-85-9)	fresh water	1 µg/l	
alkanes, C14-17, chloro (85535-85-9)	marine water	0,2 µg/l	
alkanes, C14-17, chloro (85535-85-9)	water treatment plant	80 mg/L	
alkanes, C14-17, chloro (85535-85-9)	fresh water sediment	13 mg/kg	dry weight
alkanes, C14-17, chloro (85535-85-9)	marine water sediment	2,6 mg/kg	dry weight
alkanes, C14-17, chloro (85535-85-9)	soil	11,9 mg/kg	dry weight
alkanes, C14-17, chloro (85535-85-9)	food chain	10 mg/kg	oral

8.2. Exposure controls

8.2.1. Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Do not breathe vapours/aerosols. Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse. Keep eyewash bottles or personal eyewash units and emergency showers available.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

8.2.2. Personal protective equipment

Eye and face protection

Tight fitting protective goggles (EN 166). Eye wash bottle with clean water.

Hand protection

Protective gloves (EN 374). The penetration time is determined by the protective glove manufacturer and must be observed. Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Before removing gloves clean them with soap and water.

Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

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Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

Thermal hazards

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8.2.3. Environmental exposure controls

Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- Physical state:	liquid
- Colour:	according to specification
- Odour:	characteristic

Important health, safety and environmental information

- pH	No information.
- Melting point/freezing point	No information.
- Initial boiling point/boiling range	110,6 °C at 7,6 hPa
- Flash point	5 °C (ISO 1523)
- Evaporation rate	No information.
- Flammability (solid, gas)	No information.
- Explosion limits (vol%)	1,2 – 7,1 vol % at 25 °C
- Vapour pressure	22,4 hPa at 20 °C 123 hPa at 50 °C
- Vapour density	No information.
- Density	Density: 1,46 g/cm ³ at 20 °C (ISO 2811-1)
- Solubility	Water: insoluble
- Partition coefficient	No information.
- Auto-ignition temperature	520 °C
- Decomposition temperature	No information.
- Viscosity	Dynamic: 270 mPas at 20 °C (ISO 2555) kinematic: > 20 mm ² /s at 40 °C
- Explosive properties	No information.
- Oxidising properties	No information.

9.2. Other information

- Remarks:	
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SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended transport or storage conditions.

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10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3. Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures.

10.4. Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

10.5. Incompatible materials

Oxidants.
Strong acids.
Strong bases.

10.6. Hazardous decomposition products

Carbon dioxide; Carbon monoxide. Halogenated compounds;

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

(a) Acute toxicity

Name	Exposure route	Type	Species	Time	Value	Method	Remark
toluene (108-88-3)	inhalation	LC ₅₀	rat		28,1 mg/l	OECD 403	
n-butyl acetate (123-86-4)	oral	LD ₅₀	rat		10768 mg/kg	OECD 401	
n-butyl acetate (123-86-4)	inhalation	LC ₅₀	rat	4 h	23,4 mg/l	OECD 403	
n-butyl acetate (123-86-4)	dermal	LD ₅₀	rabbit		17600 mg/kg	OECD 402	
alkanes, C14-17, chloro (85535-85-9)	oral	LD ₅₀	rat		26100 mg/kg	OECD 401	
alkanes, C14-17, chloro (85535-85-9)	inhalation	LC ₅₀	rat		> 20 mg/l	OECD 403	
alkanes, C14-17, chloro (85535-85-9)	dermal	LD ₅₀	rabbit		13500 mg/kg	OECD 402	

Additional information: The product is not classified for acute toxicity.

(b) Skin corrosion/irritation

Additional information: Causes skin irritation.

(c) Serious eye damage/irritation

No information.

(d) Respiratory or skin sensitisation

Additional information: The product is not classified as sensitising.

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

Suspected of damaging the unborn child. May cause harm to breast-fed children.

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(h) STOT-single exposure

Additional information: May cause drowsiness or dizziness.

(i) STOT-repeated exposure

Additional information: May cause damage to organs through prolonged or repeated exposure.

(j) Aspiration hazard

Additional information: Aspiration hazard: Not classified.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Acute (short-term) toxicity

For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
n-butyl acetate (123-86-4)	LC ₅₀	18 mg/L	96 h	fish		OECD 203	
	EC ₅₀	32 mg/L	48 h	Daphnia		OECD 202	
	EC ₅₀	675 mg/L	72 h	algae		OECD 201	
alkanes, C14-17, chloro (85535-85-9)	LC ₅₀	5000 mg/L	96 h	fish		OECD 203	
	EC ₅₀	0,0059 mg/L	48 h	Daphnia		OECD 202	
	EC ₅₀	3,2 mg/L	72 h	algae		OECD 201	

12.1.2. Chronic (long-term) toxicity

No information.

12.2. Persistence and degradability

12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information.

12.2.2. Biodegradation

No information.

12.3. Bioaccumulative potential

12.3.1. Partition coefficient

No information.

12.3.2. Bioconcentration factor (BCF)

No information.

12.4. Mobility in soil

12.4.1. Known or predicted distribution to environmental compartments

No information.

12.4.2. Surface tension

No information.

12.4.3. Adsorption/Desorption

No information.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances in percentages greater than 0.1%.

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12.6. Other adverse effects

No information.

12.7. Additional information

For product

Do not allow to reach ground water, water courses or sewage system.
Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Product / Packaging disposal

Waste chemical

Dispose of in accordance with applicable waste disposal regulation. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Do not allow product to reach drains/sewage systems.

Packaging

Dispose of in accordance with applicable waste disposal regulation. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Deliver completely emptied containers to approved waste disposal authorities. Empty containers represent a fire hazard as they may contain flammable product residues and vapour. Uncleaned containers should not be perforated, cut or welded. Empty container is not suitable for reuse.

13.1.2. Waste treatment-relevant information

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13.1.3. Sewage disposal-relevant information

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13.1.4. Other disposal recommendations

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SECTION 14. TRANSPORT INFORMATION

14.1. UN number

UN 1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

3

14.4. Packing group

III

14.5. Environmental hazards

NO.

14.6. Special precautions for user

Limited quantities

5 L

Tunnel restriction code

(E)



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IMDG flashpoint

5 °C, c.c.

IMDG EmS

F-E, S-E

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

Goods may not be carried in bulk in bulk containers, containers or vehicles.

SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

EU limit values and category: B(e) 840 g/l. VOC Content: 410 g/l

15.1.2. Special instructions

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Indication of changes

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Abbreviations and acronyms

ATE - Acute Toxicity Estimate
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union

SAFETY DATA SHEET according to Regulation 1907/2006



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Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC₅₀ - Lethal Concentration to 50 % of a test population
LD₅₀ - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

Key literature references and sources for data

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List of relevant H phrases

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H362 May cause harm to breast-fed children.
H373 May cause damage to organs through prolonged or repeated exposure .
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

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- Provided correct labelling of the product
- Compliance with the local legislation
- Provided correct classification of the product
- Provided adequate transport data

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The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.