

SAFETY DATA SHEET

TACKY SURFACE COATING

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name TACKY SURFACE COATING
Product number A4512, A4512E
UFI UFI: J8RV-C0RJ-J002-H6S8

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

Identified uses DUST CONTROLLER

1.3. Details of the supplier of the safety data sheet

Supplier ORAPI APPLIED LIMITED,
SPRING ROAD,
SMETHWICK,
WEST MIDLANDS, B66 1PT, ENGLAND
Tel: 0121-525-4000
Fax: 0121-525-4919
lee.baughan@orapi.com

Contact person Lee Baughan

1.4. Emergency telephone number

Emergency telephone 0121 525 4000 (09:00 - 17:00 hrs)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified
Health hazards Skin Sens. 1 - H317
Environmental hazards Not Classified

Human health May cause skin sensitisation or allergic reactions in sensitive individuals.

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.

Precautionary statements P261 Avoid breathing vapour/ spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/ container in accordance with national regulations.

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UFI

UFI: J8RV-C0RJ-J002-H6S8

Contains

2-METHYL-2H-ISOTHIAZOL-ONE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

1,2,3-PROPANE TRIOL	10-15%
CAS number: 56-81-5	EC number: 200-289-5
Classification Not Classified	

2-METHYL-2H-ISOTHIAZOL-ONE	<0.1%
CAS number: 2682-20-4	EC number: 220-239-6
M factor (Acute) = 10	M factor (Chronic) = 1
Classification Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 2 - H330 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1A - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Show this Safety Data Sheet to the medical personnel.
Inhalation	If throat irritation or coughing persists, proceed as follows. Get medical attention. Show this Safety Data Sheet to the medical personnel.
Ingestion	Rinse mouth thoroughly with water. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Do not induce vomiting.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

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

Inhalation	No specific symptoms known.
Ingestion	May cause discomfort if swallowed.

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Skin contact No specific symptoms known.

Eye contact Visual disturbances, including blurred vision.

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

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards The product is not flammable.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighters None.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Flush contaminated area with plenty of water. Contain spillage with sand, earth or other suitable non-combustible material.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Avoid contact with skin and eyes. Avoid spilling. Avoid freezing.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Protect from freezing and direct sunlight.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

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Workplace Exposure Limits EH40.

1,2,3-PROPANE TRIOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ mist

WEL = Workplace Exposure Limit.

1,2,3-PROPANE TRIOL (CAS: 56-81-5)

DNEL Workers - Inhalation; Long term local effects: 56 mg/m³
General population - Inhalation; Long term local effects: 33 mg/m³

PNEC

- Fresh water; 0.885 mg/l
- Intermittent release; 8.85 mg/l
- marine water; 0.0885 mg/l
- STP; 1000 mg/l
- Sediment (Freshwater); 3.3 mg/kg
- Sediment (Marinewater); 0.33 mg/kg
- Soil; 0.141 mg/kg

SODIUM BENZOATE (CAS: 532-32-1)

DNEL Workers - Inhalation; Long term systemic effects: 3 mg/m³
Workers - Inhalation; Long term local effects: 0.1 mg/m³
Workers - Dermal; Long term systemic effects: 62.5 mg/kg/day
General population - Inhalation; Long term systemic effects: 1.5 mg/m³
General population - Inhalation; Long term local effects: 0.6 mg/m³
General population - Dermal; Long term systemic effects: 31.25 mg/kg/day
General population - Oral; Long term systemic effects: 16.6 mg/kg/day

PNEC

- Fresh water; 0.13 mg/l
- Fresh water, Intermittent release; 305 µg/l
- marine water; 0.013 mg/l
- STP; 10 mg/l
- Sediment (Freshwater); 1.76 mg/kg
- Sediment (Marinewater); 0.176 mg/l
- Soil; 0.276 mg/kg

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

DNEL Workers - Inhalation; Long term local effects: 1.5 mg/m³
Workers - Inhalation; Short term local effects: 3 mg/m³
General population - Inhalation; Long term local effects: 0.6 mg/m³
General population - Inhalation; Short term local effects: 1.2 mg/m³
General population - Oral; Long term systemic effects: 25 mg/kg/day

PNEC

- Fresh water; 2.2 mg/l
- marine water; 0.22 mg/l
- Fresh water, Intermittent release; 1.2 mg/l
- STP; 43 mg/l
- Soil; 0.72 mg/kg

SODIUM CHLORIDE (CAS: 7647-14-5)

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DNEL	Workers - Inhalation; Long term systemic effects: 2068.62 mg/m ³
	Workers - Inhalation; Short term systemic effects: 2068.62 mg/m ³
	Workers - Dermal; Long term systemic effects: 295.52 mg/kg/day
	Workers - Dermal; Short term systemic effects: 295.52 mg/kg/day
	General population - Inhalation; Long term systemic effects: 443.28 mg/m ³
	General population - Inhalation; Short term systemic effects: 443.28 mg/m ³
	General population - Dermal; Long term systemic effects: 126.65 mg/kg/day
	General population - Dermal; Short term systemic effects: 126.65 mg/kg/day
	General population - Oral; Long term systemic effects: 126.65 mg/kg/day
	General population - Oral; Short term systemic effects: 126.65 mg/kg/day

PNEC	Fresh water; 5 mg/l
	STP; 500 mg/l
	Soil; 4.86 mg/kg

1,2-BENZISOTHIAZOL-3(2H)-ONE (CAS: 2634-33-5)

DNEL	Workers - Inhalation; Long term systemic effects: 6.81 mg/m ³
	Workers - Dermal; Long term systemic effects: 0.966 mg/kg/day
	General population - Inhalation; Long term systemic effects: 1.2 mg/m ³
	General population - Dermal; Long term systemic effects: 0.345 mg/kg/day

PNEC	- Fresh water; 4.03 µg/l
	- Fresh water, Intermittent release; 1.1 µg/l
	- marine water; 0.403 µg/l
	- marine water, Intermittent release; 110 ng/l
	- STP; 1.03 mg/l
	- Sediment (Freshwater); 49.9 µg/kg
	- Sediment (Marinewater); 4.99 µg/kg
	- Soil; 3 mg/kg

LINALOOL (CAS: 78-70-6)

DNEL	Workers - Inhalation; Long term systemic effects: 2.8 mg/m ³
	Workers - Inhalation; Short term systemic effects: 16.5 mg/m ³
	Workers - Dermal; Long term systemic effects: 2.5 mg/kg/day
	Workers - Dermal; Short term systemic effects: 5 mg/kg/day
	Workers - Dermal; Long term local effects: 3 mg/cm ²
	Workers - Dermal; Short term local effects: 3 mg/cm ²
	General population - Inhalation; Long term systemic effects: 0.7 mg/m ³
	General population - Inhalation; Short term systemic effects: 4.1 mg/m ³
	General population - Dermal; Long term systemic effects: 1.25 mg/kg/day
	General population - Dermal; Short term systemic effects: 2.5 mg/kg/day
	General population - Dermal; Long term local effects: 1.5 mg/cm ²
	General population - Dermal; Short term local effects: 1.5 mg/cm ²
	General population - Oral; Long term systemic effects: 0.2 mg/kg/day
	General population - Oral; Short term systemic effects: 1.2 mg/kg/day

PNEC	- Fresh water; 0.2 mg/l
	- Fresh water, Intermittent release; 2 mg/l
	- marine water; 0.02 mg/l
	- STP; 10 mg/l
	- Sediment (Freshwater); 2.22 mg/kg
	- Sediment (Marinewater); 0.222 mg/kg
	- Soil; 0.327 mg/kg

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GERANIOL (CAS: 106-24-1)

DNEL

Workers - Inhalation; Long term systemic effects: 161.6 mg/m³
 Workers - Dermal; Long term systemic effects: 12.5 mg/kg/day
 Workers - Dermal; Long term local effects: 11800 µg/cm²
 General population - Inhalation; Long term systemic effects: 47.8 mg/m³
 General population - Dermal; Long term systemic effects: 7.5 mg/kg/day
 General population - Dermal; Long term local effects: 11800 µg/cm²
 General population - Oral; Long term systemic effects: 13.75 mg/kg/day

PNEC

- Fresh water; 0.011 mg/l
 - marine water; 0.001 mg/l
 - Intermittent release; 0.108 mg/l
 - STP; 0.7 mg/l
 - Sediment (Freshwater); 0.115 mg/kg
 - Sediment (Marinewater); 0.011 mg/kg
 - Soil; 0.017 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

All handling should only take place in well-ventilated areas.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Wear chemical splash goggles. Personal protective equipment that provides appropriate eye and face protection should be worn.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid. Liquid.
Colour	Light (or pale). Yellow.
Odour	Pine
pH	pH (concentrated solution): 10
Initial boiling point and range	100°C @ 760mmHg
Relative density	1.00 @ 20°C
Solubility(ies)	Miscible with water.

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

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10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Not known.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Heating may generate the following products: Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Inhalation No specific health hazards known.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact May cause skin sensitisation or allergic reactions in sensitive individuals.

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Eye contact May cause temporary eye irritation.

Toxicological information on ingredients.

1,2,3-PROPANE TRIOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 12,600.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 10,000.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 0.57

Species Rat

ATE inhalation (vapours mg/l) 0.57

SODIUM CARBOXYMETHYL CELLULOSE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 27,000.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 5,800.0

Species Rat

ATE inhalation (vapours mg/l) 5,800.0

ALCOHOL ETHOXYLATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 301.0

Species Rat

ATE oral (mg/kg) 301.0

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Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,001.0
mg/kg)

Species Rabbit

ATE dermal (mg/kg) 2,001.0

SODIUM BENZOATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 2,000.0
mg/kg)

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,000.0
mg/kg)

Species Rabbit

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 1,780.0
mg/kg)

Species Rat

ATE oral (mg/kg) 1,780.0

Acute toxicity - inhalation

Acute toxicity inhalation
(LC₅₀ gases ppmV) 4,500.0

Species Rat

Acute toxicity inhalation
(LC₅₀ vapours mg/l) 11.0

Species Rat

Acute toxicity inhalation
(LC₅₀ dust/mist mg/l) 1.5

Species Rat

ATE inhalation
(dusts/mists mg/l) 1.5

SODIUM CHLORIDE

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >10,000 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC₅₀) >42 mg/l, Inhalation, Rat

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PARTIALLY FLUORINATED ALKYL POLYETHER

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

1,030.0

Species

Rat

ATE oral (mg/kg)

1,030.0

1,2-BENZISOTHIAZOL-3(2H)-ONE

Acute toxicity - oral

ATE oral (mg/kg)

500.0

2-METHYL-2H-ISOTHIAZOL-ONE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

120.0

Species

Rat

ATE oral (mg/kg)

120.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg)

242.0

Species

Rat

ATE dermal (mg/kg)

242.0

Acute toxicity - inhalation

Acute toxicity inhalation
(LC₅₀ dust/mist mg/l)

0.34

Species

Rat

ATE inhalation
(dusts/mists mg/l)

0.34

COUMARIN

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

293.0

Species

Rat

ATE oral (mg/kg)

500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg)

293.0

Species

Rat

Carcinogenicity

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IARC carcinogenicity

IARC Group 3 Not classifiable as to its carcinogenicity to humans.

SECTION 12: Ecological information

Ecotoxicity

Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity

Not considered toxic to fish.

Ecological information on ingredients.

1,2,3-PROPANE TRIOL

Acute aquatic toxicity

Acute toxicity - fish

LC50, 96 hours: 54000 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: > 10000 mg/l, Daphnia magna

SODIUM CARBOXYMETHYL CELLULOSE

Acute aquatic toxicity

Acute toxicity - fish

LC50, 96 hours: > 21000 mg/l, Oncorhynchus mykiss (Rainbow trout)

ALCOHOL ETHOXYLATE

Acute aquatic toxicity

Acute toxicity - fish

LL₅₀, : >1 - <=10 mg/l, Fish

Acute toxicity - aquatic invertebrates

LL₅₀, > 1 - <=10 : mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC₅₀, : >1 - <=10 mg/l, Algae

Chronic aquatic toxicity

Chronic toxicity - fish early life stage

NOEC, : >1.0 - <=10 mg/l, Fish

Chronic toxicity - aquatic invertebrates

NOEC, : >1.0 - <=10 mg/l, Daphnia magna

SODIUM BENZOATE

Acute aquatic toxicity

Acute toxicity - fish

LC50, 96 hours: > 10 mg/l, Freshwater fish

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Acute aquatic toxicity

Acute toxicity - fish

LC50, 96 hours: > 100 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: > 100 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC₅₀, 72 hours: > 100 mg/l,

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SODIUM CHLORIDE

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 6750 mg/l, Fish LC ₅₀ , 96 hours: 5840 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 2024 - 4136 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: 3014 mg/l, Algae
Acute toxicity - microorganisms	IC ₅₀ , : >1,000 mg/l, Activated sludge

PARTIALLY FLUORINATED ALKYL POLYETHER

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 36.7 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 28.8 mg/l, Daphnia magna

1,2-BENZISOTHAZOL-3(2H)-ONE

Acute aquatic toxicity

LE(C)₅₀	0.01 < L(E)C ₅₀ ≤ 0.1
M factor (Acute)	10

2-METHYL-2H-ISOTHAZOL-ONE

Acute aquatic toxicity

LE(C)₅₀	0.01 < L(E)C ₅₀ ≤ 0.1
M factor (Acute)	10

Chronic aquatic toxicity

M factor (Chronic)	1
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d-LIMONENE

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 35 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic aquatic toxicity	
M factor (Chronic)	1

DIPHENYL METHANE

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1

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Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

Degradability Non-rapidly degradable

M factor (Chronic) 1

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

ALCOHOL ETHOXYLATE

Persistence and degradability The substance is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

ALCOHOL ETHOXYLATE

Bioaccumulative potential Bioaccumulation is unlikely.

12.4. Mobility in soil

Mobility The product is soluble in water.

Ecological information on ingredients.

ALCOHOL ETHOXYLATE

Mobility Soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

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14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment
Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

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Abbreviations and acronyms used in the safety data sheet

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.
 CAS: Chemical Abstracts Service.
 DNEL: Derived No Effect Level.
 GHS: Globally Harmonized System.
 IATA: International Air Transport Association.
 ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
 IMDG: International Maritime Dangerous Goods.
 LC50: Lethal Concentration to 50 % of a test population.
 LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
 PBT: Persistent, Bioaccumulative and Toxic substance.
 PNEC: Predicted No Effect Concentration.
 REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
 SVHC: Substances of Very High Concern.
 vPvB: Very Persistent and Very Bioaccumulative.
 cATpE: Converted acute toxicity point estimate.
 EC₅₀: 50% of maximal Effective Concentration.
 DMEL: Derived Minimal Effect Level.
 UN: United Nations.
 IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).

Classification procedures according to SI 2019 No. 720

Not classified for health hazards.: Calculation method. Not classified for environmental hazards.: Calculation method. Not classified for physical hazards.: Expert judgement.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

07/01/2025

Revision

10

Supersedes date

09/11/2020

SDS status

Approved.

Hazard statements in full

H301 Toxic if swallowed.
 H311 Toxic in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H330 Fatal if inhaled.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

Signature

Health and Safety Manager

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.