

SAFETY DATA SHEET

PAKOL

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

1.1. Product identifier

Trade name

PAKOL

Unique formula identifier (UFI)

9S00-Y0FP-4006-S7AD

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

Relevant identified uses of the substance or mixture

Sealant

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Unipak A/S

Marktoften 3C

8464 Galten

Denmark

+45 8626 1177

www.unipak.dk

E-mail

sales@unipak.dk

Revision

24/05/2023

SDS Version

3.0

Date of previous version

04/11/2022 (2.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapour.

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

Flammable liquid and vapour. (H226)

Precautionary statement(s)

General

-

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Keep container tightly closed. (P233)

Response

-

Storage

-

Disposal

-

Hazardous substances

None known.

Additional labelling

EUH211, Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

UFI: 9S00-Y0FP-4006-S7AD

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|-------------------|---|--------|---|------|
| ethyl alcohol | CAS No.: 64-17-5 EC No.: 200-578-6 UK-REACH: Index No.: 603-002-00-5 | 25-40% | Flam. Liq. 2, H225 Eye Irrit. 2, H319 (SCL: 50.00 %) | |
| propan-2-ol | CAS No.: 67-63-0 EC No.: 200-661-7 UK-REACH: Index No.: 603-117-00-0 | 3-5% | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 | |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) and continue until irritation stops. Normally rinsing for less than 5 minutes is sufficient.

▼ Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

None known.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

Hazchem Code: ●3Y

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. ▼ Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ground and bond container and receiving equipment.

Use explosion-proof [electrical/lighting/ventilating] equipment.

Use non-sparking tools.

Take action to prevent static discharges.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light.

Take action to prevent static discharges.

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

Dry, cool and well ventilated

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. ▼ Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethyl alcohol

Long term exposure limit (8 hours) (ppm): 1000

Long term exposure limit (8 hours) (mg/m³): 1920

Glycerin

Long term exposure limit (8 hours) (mg/m³): 10

Titanium dioxide

Long term exposure limit (8 hours) (mg/m³): 10(inhalable)/4(respirable)

propan-2-ol

Long term exposure limit (8 hours) (ppm): 400

Long term exposure limit (8 hours) (mg/m³): 999

Short term exposure limit (15 minutes) (ppm): 500

Short term exposure limit (15 minutes) (mg/m³): 1250

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

▼ DNEL

ethyl alcohol

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|-----------------------|
| Long term – Systemic effects - Workers | Dermal | 343 mg/kg |
| Long term – Systemic effects - Workers | Inhalation | 950 mg/m ³ |

propan-2-ol

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|-----------------------|
| Long term – Systemic effects - Workers | Dermal | 888 mg/kg |
| Long term – Systemic effects - Workers | Inhalation | 500 mg/m ³ |

Titanium dioxide

| Duration: | Route of exposure: | DNEL: |
|-----------|--------------------|----------------------|
| Long term | Inhalation | 10 mg/m ³ |

▼ PNEC

ethyl alcohol

| Route of exposure: | Duration of Exposure: | PNEC: |
|-----------------------|-----------------------|-----------|
| Freshwater sediment | | 3,6 mg/kg |
| Marine water | | 0,79 mg/l |
| Marine water sediment | | 2,9 mg/kg |

| | |
|---------------------------|------------------------------|
| Sewage treatment plant | 0,63 mg/kg |
| Water | 0,96 mg/l |
| propan-2-ol | |
| Route of exposure: | Duration of Exposure: |
| Freshwater | PNEC: 140,9 mg/l |
| Freshwater sediment | 552 mg/kg |
| Marine water | 140,9 mg/l |
| Marine water sediment | 552 mg/kg |
| Sewage treatment plant | 2251 mg/l |
| Soil | 28 mg/kg |
| Titanium dioxide | |
| Route of exposure: | Duration of Exposure: |
| Freshwater | PNEC: 0,127 mg/L |
| Freshwater sediment | >= 1000 mg/L |
| Marine water | >= 1 mg/L |
| Marine water sediment | >= 100 mg/L |
| Sewage treatment plant | >= 100 mg/L |
| Soil | 100 mg/L |
| Water | 0,61 mg/L |

8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

▼ Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

▼ Respiratory Equipment

| Work situation | Type | Class | Colour | Standards |
|-----------------------------------|------|-------|--------|-----------|
| In case of inadequate ventilation | A | | Brown | EN14387 |




Skin protection


| Recommended | Type/Category | Standards |
|-----------------------------------|---------------|-----------|
| No special when used as intended. | - | - |

Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards |
|----------|----------------------|--------------------------|-----------|
| Nitrile | 0,3 | 120 | EN374-2 |



| Eye protection | |
|--|-----------|
| Type | Standards |
| In the likelihood of direct or incidental exposure, use face protection. | EN166 |



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Brown

Odour / Odour threshold

Alcohol odor

pH

Testing not relevant or not possible due to the nature of the product.

Density (g/cm³)

1.1

Kinematic viscosity

Testing not relevant or not possible due to the nature of the product.

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

Testing not relevant or not possible due to the nature of the product.

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

Testing not relevant or not possible due to the nature of the product.

Vapour pressure

Testing not relevant or not possible due to the nature of the product.

Relative vapour density

Testing not relevant or not possible due to the nature of the product.

Decomposition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C)

35

▼ Flammability (°C)

The material is ignitable.

Auto-ignition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to the nature of the product.

Solubility

Solubility in water

Insoluble

n-octanol/water coefficient

Testing not relevant or not possible due to the nature of the product.

Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

9.2. Other information

VOC (g/l)

33 % w/w

▼ Oxidizing properties

Testing not relevant or not possible due to the nature of the product.

Other physical and chemical parameters

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

▼ Acute toxicity

| | |
|--------------------|---------------|
| Product/substance | ethyl alcohol |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 10470 mg/kg · |

| | |
|--------------------|---------------|
| Product/substance | ethyl alcohol |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | 124,7 mg/l · |

| | |
|--------------------|---------------|
| Product/substance | Glycerin |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 12600 mg/kg · |

| | |
|--------------------|------------------|
| Product/substance | Titanium dioxide |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | > 5000 mg/kg · |

| | |
|--------------------|------------------|
| Product/substance | Titanium dioxide |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | > 6,8 mg/L/4h · |

| | |
|-------------------|-------------|
| Product/substance | propan-2-ol |
|-------------------|-------------|

Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended S.I. 2019 No. 758

| | |
|--------------------|--------------|
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 5840 mg/kg · |

| | |
|--------------------|---------------|
| Product/substance | propan-2-ol |
| Species: | Rabbit |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | 16400 mg/kg · |

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

▼ Carcinogenicity

| | |
|--------------------|---------------------------|
| Product/substance | propan-2-ol |
| Species: | Rat |
| Route of exposure: | |
| Target organ: | |
| Duration: | |
| Test: | |
| Result: | NOEL 5000 ppm, inhalation |
| Conclusion: | |

▼ Reproductive toxicity

| | |
|-------------------|------------------------------|
| Product/substance | ethyl alcohol |
| Species: | Rat |
| Duration: | |
| Test: | |
| Result: | NOAEL 16000 ppm, inhalation. |
| Conclusion: | |

| | |
|-------------------|------------------------------------|
| Product/substance | propan-2-ol |
| Species: | Rat |
| Duration: | |
| Test: | |
| Result: | NOAEL 500 mg/kg-d, Oral, fertility |
| Conclusion: | |

| | |
|-------------------|--------------------------------------|
| Product/substance | propan-2-ol |
| Species: | Rat |
| Duration: | |
| Test: | |
| Result: | NOAEL 400 mg/kg-d, Oral, development |
| Conclusion: | |

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

Long term effects

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in

the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

▼ **Endocrine disrupting properties**

Not applicable.

Other information

ethyl alcohol has been classified by IARC as a group 1 carcinogen.

Titanium dioxide has been classified by IARC as a group 2B carcinogen.

propan-2-ol has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. ▼ Toxicity

| | |
|-------------------|---------------|
| Product/substance | ethyl alcohol |
| Species: | Fish |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | 15300 mg/L |

| | |
|-------------------|---------------|
| Product/substance | ethyl alcohol |
| Species: | Algae |
| Duration: | 96 hours |
| Test: | EC50 |
| Result: | 19000 ppm |

| | |
|-------------------|---------------|
| Product/substance | ethyl alcohol |
| Species: | Daphnia |
| Duration: | 48 hours |
| Test: | LC50 |
| Result: | 9248 mg/l |

| | |
|-------------------|---------------|
| Product/substance | ethyl alcohol |
| Species: | Daphnia |
| Duration: | 48 hours |
| Test: | LC50 |
| Result: | 9248 mg/l |

| | |
|-------------------|------------------|
| Product/substance | Titanium dioxide |
| Species: | Fish |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | > 1000 mg/L |

| | |
|-------------------|------------------|
| Product/substance | Titanium dioxide |
| Species: | Daphnia |
| Duration: | 48 hours |
| Test: | EC50 |
| Result: | > 1000 mg/L |

| | |
|-------------------|------------------|
| Product/substance | Titanium dioxide |
| Species: | Algae |
| Duration: | 72 hours |
| Test: | EC50 |
| Result: | 61 mg/L |

| | |
|-------------------|-------------|
| Product/substance | propan-2-ol |
| Species: | Fish |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | 10000mg/l |

| | |
|-------------------|-------------|
| Product/substance | propan-2-ol |
| Species: | Daphnia |

Duration: 24 hours
 Test: EC50
 Result: 9714 mg/l ·

12.2. ▼ Persistence and degradability

Product/substance: Glycerin
 Biodegradable: Yes
 Test method:
 Result:

12.3. ▼ Bioaccumulative potential

Product/substance: Glycerin
 Test method:
 Potential bioaccumulation: No
 LogPow: No data available.
 BCF: No data available.
 Other information:

Product/substance: Titanium dioxide
 Test method:
 Potential bioaccumulation: No
 LogPow: No data available.
 BCF: No data available.
 Other information:

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. ▼ Endocrine disrupting properties

Not applicable.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

Waste treatment methods

Product is covered by the regulations on hazardous waste.
 HP 3 - Flammable
 HP 4 - Irritant (skin irritation and eye damage)
 Dispose of contents/container to an approved waste disposal plant.
 Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

08 04 09* Waste adhesives and sealants containing organic solvents or other dangerous substances

▼ Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|-----|-----------------|---|--|-------------|---------------|---|
| ADR | 1993 | FLAMMABLE LIQUID, N.O.S. (ethanol, isopropanol) | Transport hazard class: 3 Label: 3 Classification code: F1 | III | No | Limited quantities: 5 L Tunnel restriction code: 3 (D/E) See below for additional |

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|------|-----------------|---|--|-------------|---------------|--|
| IMDG | 1993 | FLAMMABLE LIQUID, N.O.S. (ethanol, isopropanol) | Transport hazard class: 3 Label: 3 Classification code: F1 | III | No | Limited quantities: 5 L EmS: F-E S-E See below for additional information. |
| IATA | 1993 | FLAMMABLE LIQUID, N.O.S. (ethanol, isopropanol) | Transport hazard class: 3 Label: 3 Classification code: F1 | III | No | See below for additional information. |

* Packing group

** Environmental hazards

Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

Hazchem Code: ●3Y

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes

Additional information

Not applicable.

Sources

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Control of Major Accident Hazards (COMAH) Regulations 2015.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.

H319, Causes serious eye irritation.

H336, May cause drowsiness or dizziness.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the mixture in regard to physical hazards has been based on experimental data.

▼ The safety data sheet is validated by

tn

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en