

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758



mikrozid® wipes *No Change Service!*

Version
05.16

Revision Date:
04.04.2025

Date of last issue: 13.11.2023

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

1.1 Product identifier

Trade name : mikrozid® wipes
Unique Formula Identifier (UFI) : 5800-P0VS-N00A-TKK9

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

Use of the Sub-stance/Mixture : Disinfectants and general biocidal products
Recommended restrictions on use : Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Producer : Schülke & Mayr GmbH
Robert-Koch-Str. 2

22851 Norderstedt
Germany
Telephone: +49 (0)40/ 52100-0
Telefax: +49 (0)40/ 52100318
mail@schuelke.com
www.schuelke.com

Supplier : Schülke & Mayr UK Ltd.
Cygnet House
1, Jenkin Road

Sheffield S9 1AT
United Kingdom
Telephone: +44 114 254 35 00
Telefax: +44 114 254 35 01
mail.uk@schulke.com

E-mail address of person responsible for the SDS/Contact person : Application Specialists
+49 (0)40/ 521 00 666
AD@schuelke.com

1.4 Emergency telephone number

Emergency telephone number : Carechem 24 International: +44 1235 239670

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Flammable liquids, Category 3
Eye irritation, Category 2
Specific target organ toxicity - single exposure, Category 3, Central nervous system

H226: Flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms

:



Signal word

:

Warning

Hazard statements

:

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements

:

P102 Keep out of reach of children.
Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/ eye protection.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Hazardous components which must be listed on the label:
propan-1-ol

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.

Has a degreasing effect on the skin.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Aqueous, alcohol containing solution on non-woven

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|---------------|---|---|--------------------------|
| propan-1-ol | 71-23-8 200-746-9 603-003-00-0 01-2119486761-29-XXXX | Flam. Liq. 2; H225 Eye Dam. 1; H318 STOT SE 3; H336 (Central nervous system) | >= 30 - < 50 |
| ethanol | 64-17-5 200-578-6 603-002-00-5 01-2119457610-43-XXXX | Flam. Liq. 2; H225 Eye Irrit. 2; H319 | >= 20 - < 30 |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled : If symptoms persist, call a physician.

In case of skin contact : Wash with water and soap as a precaution.
If skin irritation persists, call a physician.

In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids.
Obtain medical attention.

If swallowed : If accidentally swallowed obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Treat symptomatically.

Risks : Causes serious eye irritation.
May cause drowsiness or dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons Information Service.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Dry powder
Alcohol-resistant foam
Carbon dioxide (CO₂)
Water spray jet

Unsuitable extinguishing media : Foam
Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Cool closed containers exposed to fire with water spray.

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Remove all sources of ignition.
Avoid contact with eyes.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment.

6.4 Reference to other sections

see Section 8 + 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Wear personal protective equipment.
Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.

Hygiene measures : Keep away from food and drink.

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container.

Further information on storage conditions : Keep container tightly closed. Keep away from direct sunlight.
Recommended storage temperature: 15 - 25°C

Advice on common storage : Do not store together with oxidising agents.

7.3 Specific end use(s)

Specific use(s) : none

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|-------------|--|-------------------------------|--------------------------------------|---------|
| propan-1-ol | 71-23-8 | STEL | 250 ppm 625 mg/m ³ | GB EH40 |
| | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | |
| | | TWA | 200 ppm 500 mg/m ³ | GB EH40 |
| | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | |
| ethanol | 64-17-5 | TWA | 1,000 ppm 1,920 mg/m ³ | GB EH40 |

Derived No Effect Level (DNEL)

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|----------------|---------|-----------------|----------------------------|------------------------|
| propan-1-ol | Workers | Skin contact | Long-term systemic effects | 136 mg/kg |
| | Workers | Inhalation | Long-term systemic effects | 268 mg/m ³ |
| | Workers | Inhalation | Acute systemic effects | 1723 mg/m ³ |
| ethanol | Workers | Inhalation | Acute local effects | 1900 mg/m ³ |
| | Workers | Skin contact | Long-term systemic effects | 343 mg/kg |
| | Workers | Inhalation | Long-term systemic effects | 950 mg/m ³ |

Predicted No Effect Concentration (PNEC)

| Substance name | Environmental Compartment | Value |
|----------------|---------------------------|------------|
| propan-1-ol | Fresh water | 6.83 mg/l |
| | Soil | 1.49 mg/kg |

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| | | |
|---------|------------------------|------------|
| | Marine sediment | 2.75 mg/kg |
| | Fresh water sediment | 27.5 mg/kg |
| | Marine water | 0.983 mg/l |
| ethanol | Fresh water | 0.96 mg/l |
| | Marine water | 0.79 mg/l |
| | Fresh water sediment | 3.6 mg/kg |
| | Soil | 0.63 mg/kg |
| | Marine sediment | 2.9 mg/kg |
| | Sewage treatment plant | 580 mg/l |

8.2 Exposure controls

Personal protective equipment

Hand protection

| | |
|------------------------|--|
| Remarks | : Prolonged contact: Nitrile rubber gloves e.g. Camatril (>120 Min., layer thickness: 0.40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0.70 mm) made by KCL or gloves from other manufacturers offering the same protection. |
| Respiratory protection | : No personal respiratory protective equipment normally required. |
| Protective measures | : Avoid contact with skin and eyes. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|---|
| Appearance | : Aqueous, alcohol containing solution on non-woven |
| Colour | : colourless |
| Odour | : alcohol-like |
| Odour Threshold | : not determined |
| pH | : Not applicable |
| Melting point/freezing point | : < -5 °C of the active solution |
| Decomposition temperature | No data available |
| Boiling point/boiling range | : ca. 80 °C of the active solution |
| Flash point | : 27 °C Method: DIN 51755 Part 1 of the active solution |
| Evaporation rate | : No data available |
| Upper explosion limit / Upper flammability limit | : 17.5 %(V) Raw material |
| Lower explosion limit / Lower flammability limit | : 2.1 %(V) Raw material |

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| | | |
|--|---|--|
| Vapour pressure | : | ca. 50 hPa (20 °C) of the active solution |
| Relative vapour density | : | No data available |
| Density | : | ca. 0.89 g/cm ³ (20 °C) of the active solution |
| Solubility(ies) | | |
| Water solubility | : | completely soluble (20 °C) |
| Partition coefficient: n- octanol/water | : | Not applicable |
| Auto-ignition temperature | : | 425 °C Raw material |
| Viscosity | | |
| Viscosity, dynamic | : | No data available |
| Viscosity, kinematic | : | not determined |
| Flow time | : | < 15 s at 20 °C Method: DIN 53211 of the active solution |
| Explosive properties | : | No data available |
| Oxidizing properties | : | The substance or mixture is not classified as oxidizing. |

9.2 Other information

| | | |
|------------------------|---|---|
| Flammability (liquids) | : | Flammable liquid and vapour. Remarks: of the active solution |
| Metal corrosion rate | : | None reasonably foreseeable. |
| Self-ignition | : | No data available |

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

| | | |
|---------------------|---|------------------------------|
| Hazardous reactions | : | None reasonably foreseeable. |
|---------------------|---|------------------------------|

10.4 Conditions to avoid

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Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

None reasonably foreseeable.
No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Components:

propan-1-ol:

| | |
|---------------------------|--|
| Acute oral toxicity | : LD50 (Rat): ca. 8,000 mg/kg |
| Acute inhalation toxicity | : LC50 (Rat, male and female): 33.8 mg/l Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403 |
| Acute dermal toxicity | : LD50 (Rabbit): 4,032 mg/kg Method: literature value |

ethanol:

| | |
|---------------------------|--|
| Acute oral toxicity | : LD50 (Rat): 10,470 mg/kg Method: OECD Test Guideline 401 |
| Acute inhalation toxicity | : LC50 (Rat, male and female): 124.7 mg/l Exposure time: 4 h Test atmosphere: vapour |
| Acute dermal toxicity | : LD50 (Rabbit): > 2,000 mg/kg Method: OECD Test Guideline 402 |

Skin corrosion/irritation

Not classified based on available information.

Components:

propan-1-ol:

| | |
|---------|----------------------|
| Species | : Rabbit |
| Result | : No skin irritation |

ethanol:

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| | |
|---------|---------------------------|
| Species | : Rabbit |
| Method | : OECD Test Guideline 404 |
| Result | : No skin irritation |

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

| | |
|---------|---|
| Method | : Expert judgement |
| Result | : irritating |
| Remarks | : The toxicological data has been taken from products of similar composition. |

Components:

propan-1-ol:

| | |
|---------|-----------------------------------|
| Species | : Rabbit |
| Result | : Irreversible effects on the eye |

ethanol:

| | |
|--------|---------------------------|
| Method | : OECD Test Guideline 405 |
| Result | : Eye irritation |

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

propan-1-ol:

| | |
|-----------|--------------------------------------|
| Test Type | : Maximisation Test |
| Species | : Guinea pig |
| Method | : OECD Test Guideline 406 |
| Result | : Does not cause skin sensitisation. |

ethanol:

| | |
|-----------|--|
| Test Type | : Maximisation Test |
| Species | : Guinea pig |
| Method | : OECD Test Guideline 406 |
| Result | : Did not cause sensitisation on laboratory animals. |

Germ cell mutagenicity

Not classified based on available information.

Components:

propan-1-ol:

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Germ cell mutagenicity- Assessment : Not mutagenic in Ames Test

ethanol:

Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: Not mutagenic in Ames Test

Genotoxicity in vivo : Remarks: Non mutagenic

Germ cell mutagenicity- Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

Not classified based on available information.

Components:

propan-1-ol:

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

ethanol:

Carcinogenicity - Assessment : Did not show carcinogenic effects in animal experiments.

Reproductive toxicity

Not classified based on available information.

Components:

propan-1-ol:

Effects on foetal development : Species: Rat
Application Route: inhalation (vapour)
General Toxicity Maternal: NOAEL: 8.6 mg/l

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility.

ethanol:

Effects on foetal development : Species: Rat
Application Route: Oral
General Toxicity Maternal: NOAEL: 5,200 mg/kg bw/day
Developmental Toxicity: NOAEL: 5,200 mg/kg bw/day

Reproductive toxicity - Assessment : Animal experiments showed mutagenic and teratogenic effects.

STOT - single exposure

May cause drowsiness or dizziness.

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Components:

propan-1-ol:

|| Assessment : May cause drowsiness or dizziness.

ethanol:

|| Remarks : No data available

STOT - repeated exposure

Not classified based on available information.

Components:

propan-1-ol:

|| Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

ethanol:

|| Remarks : No data available

Repeated dose toxicity

Components:

ethanol:

|| Species : Rat
|| NOAEL : 1,730 mg/kg
|| LOAEL : 3,160 mg/kg
|| Application Route : Oral
|| Exposure time : 90 d

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : No data is available on the product itself.

SECTION 12: Ecological information

12.1 Toxicity

Components:

propan-1-ol:

|| Toxicity to fish : LC50 (Fish): 3,200 mg/l
Exposure time: 96 h

|| Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 3,642 mg/l

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| | |
|--|--|
| aquatic invertebrates | Exposure time: 48 h Method: DIN 38412 |
| Toxicity to algae/aquatic plants | : NOEC (Chlorella pyrenoidosa (algae)): 1,150 mg/l Exposure time: 48 h |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : NOEC: 68.3 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Remarks: Based on data from similar materials |

ethanol:

| | |
|---|---|
| Toxicity to fish | : LC50 (Leuciscus idus (Golden orfe)): 8,140 mg/l Exposure time: 48 h |
| Toxicity to daphnia and other aquatic invertebrates | : EC50 (Daphnia magna (Water flea)): > 5,000 mg/l Exposure time: 48 h |
| Toxicity to algae/aquatic plants | : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 |

12.2 Persistence and degradability

Product:

| | |
|------------------|--|
| Biodegradability | : Result: Readily biodegradable. Method: OECD 301D / EEC 84/449 C6 Remarks: of the active solution |
|------------------|--|

Components:

propan-1-ol:

| | |
|------------------|---|
| Biodegradability | : Test Type: aerobic Result: Readily biodegradable. Biodegradation: 75 % Exposure time: 20 d |
|------------------|---|

ethanol:

| | |
|------------------|---|
| Biodegradability | : Test Type: aerobic Result: Readily biodegradable. Biodegradation: > 70 % Exposure time: 5 d Method: OECD 301D / EEC 84/449 C6 |
|------------------|---|

12.3 Bioaccumulative potential

Components:

propan-1-ol:

| | |
|-----------------|--|
| Bioaccumulation | : Bioconcentration factor (BCF): 0.88 Remarks: Bioaccumulation is unlikely. |
|-----------------|--|

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Partition coefficient: n-
octanol/water : log Pow: 0.2 (25 °C)
Method: OECD Test Guideline 117

ethanol:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-
octanol/water : log Pow: -0.14
Method: Calculated value

12.4 Mobility in soil

Components:

propan-1-ol:

Mobility : Remarks: Mobile in soils

ethanol:

Mobility : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : 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.

12.6 Other adverse effects

Product:

Endocrine disrupting potential : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

Additional ecological information : This product has no known ecotoxicological effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Can be incinerated or landfilled together with household waste in compliance with the regulations, and after consultation with the waste disposal services.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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SECTION 14: Transport information

14.1 UN number

ADR : UN 3175
IMDG : UN 3175
IATA : UN 3175

14.2 UN proper shipping name

ADR : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
(propan-1-ol, ethanol)
IMDG : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
(propan-1-ol, ethanol)
IATA : Solids containing flammable liquid, n.o.s.
(propan-1-ol, ethanol)

14.3 Transport hazard class(es)

| | Class | Subsidiary risks |
|-------------|-------|------------------|
| ADR | : 4.1 | |
| IMDG | : 4.1 | |
| IATA | : 4.1 | |

14.4 Packing group

ADR
Packing group : II
Classification Code : F1
Hazard Identification Number : 40
Labels : 4.1
Tunnel restriction code : (E)

IMDG
Packing group : II
Labels : 4.1
EmS Code : F-A, S-I

IATA (Cargo)
Packing instruction (cargo aircraft) : 448
Packing instruction (LQ) : Y441
Packing group : II
Labels : Flammable solid

IATA (Passenger)
Packing instruction (passenger aircraft) : 445
Packing instruction (LQ) : Y441
Packing group : II
Labels : Flammable solid

14.5 Environmental hazards

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ADR

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Remarks : Transport in accordance to special provision 216

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

| | |
|---|--|
| UK REACH List of restrictions (Annex 17) | : Conditions of restriction for the following entries should be considered: Number on list 3 |
| UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation | : Not applicable |
| The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) | : Not applicable |
| Regulation (EC) on substances that deplete the ozone layer | : Not applicable |
| UK REACH List of substances subject to authorisation (Annex XIV) | : Not applicable |

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 46.70 %

according to Detergents Regulation EC 648/2004 : Other constituents: Perfumes

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

The components of this product are reported in the following inventories:

TCSI : On the inventory, or in compliance with the inventory

TSCA : All substances listed as active on the TSCA inventory

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| | | |
|-------|---|---|
| AIIC | : | All components are listed on the inventory, regulatory obligations/restrictions apply |
| DSL | : | All components of this product are on the Canadian DSL |
| ENCS | : | On the inventory, or in compliance with the inventory |
| ISHL | : | On the inventory, or in compliance with the inventory |
| KECI | : | On the inventory, or in compliance with the inventory |
| PICCS | : | On the inventory, or in compliance with the inventory |
| IECSC | : | On the inventory, or in compliance with the inventory |
| NZIoC | : | Not in compliance with the inventory |
| TECI | : | Not in compliance with the inventory |

15.2 Chemical safety assessment

SECTION 16: Other information

Full text of H-Statements

| | | |
|------|---|-------------------------------------|
| H225 | : | Highly flammable liquid and vapour. |
| H318 | : | Causes serious eye damage. |
| H319 | : | Causes serious eye irritation. |
| H336 | : | May cause drowsiness or dizziness. |

Full text of other abbreviations

| | | |
|----------------|---|--|
| Eye Dam. | : | Serious eye damage |
| Eye Irrit. | : | Eye irritation |
| Flam. Liq. | : | Flammable liquids |
| STOT SE | : | Specific target organ toxicity - single exposure |
| GB EH40 | : | UK. EH40 WEL - Workplace Exposure Limits |
| GB EH40 / TWA | : | Long-term exposure limit (8-hour TWA reference period) |
| GB EH40 / STEL | : | Short-term exposure limit (15-minute reference period) |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China;

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

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IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

| | |
|--------------|------|
| Flam. Liq. 3 | H226 |
| Eye Irrit. 2 | H319 |
| STOT SE 3 | H336 |

Classification procedure:

| |
|-------------------------------------|
| Based on product data or assessment |
| Based on product data or assessment |
| Calculation method |

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.