

| | |
|---------------------------|---------------------------|
| 38115780 | DATA SHEET |
| Valid from: 24.04.2024 | FO CLEANING LIQUID |

Description

- Non-flammable, residue-free solvent for cleaning fibre connector end faces and bare fibres prior to field assembly or fusion splicing.
- 3-way dispenser with one-hand operation, spray can functionality
- Enables fast, even cleaning
- Up to 400 cleanings per can
- Dries without leaving residue
- Suitable for all surfaces, including soft plastics
- Removes oils, salts, dust, dirt and uncured epoxies
- For glass, ceramic, metal and plastic fibre optics



General parameters

| | |
|----------|-----------------|
| Type | Cleaning liquid |
| Quantity | 85 g |

Scopes of application

Data centres, FTTH (Fiber to the Home), FITH (Fiber in the Home), repair work in the field

Note

Commodity product, not a Lapp product.
Photographs are not to scale and do not represent detailed images of the respective products.

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SAFETY DATA SHEET

This safety data sheet has been prepared in accordance with the following requirements: Regulation (EC) No 1907/2006 and Regulation (EC) No 1272/2008

Revision number 1
Revised on 29-11-2023

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

1.1. Product identifier

Product name Product AFL- FCC2 - ENHANCED FORMULA
code Safety Data Sheet FCC2-00-0902, FCC2-10-0902, FCC2-00-
No. Pure 0002 10262
substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended use Cleaning agent

For industrial use only

Uses advised against No information is available

1.3. Details of the supplier of the safety data sheet

| <u>Manufacturer</u> | <u>Supplier</u> |
|------------------------------------|--------------------------|
| MicroCare UK Ltd | AFL |
| Unit 4, Whitehall Court | 16 Eastgate Park |
| Leeds | Belmont, NH 03220 |
| LS12 5SN | United States of America |
| United Kingdom | CAGE: 0NL21 |
| Tel: +44 (0) 113 3609019 | Tel: +1 603-528-7780 |
| Email: MCCEurope@MicroCare.com | Email: www.AFLglobal.com |
| <u>For further information see</u> | |

Contact pointtel : +44 (0) 113 3609019

e-mail address mcceurope@microcare.com

1.4. Emergency number

Emergency number INFOTRAC +44 330 027 0156 (UK) 1-352-323-3500 (from anywhere in the world)

SECTION 2: Potential hazards

2.1. Classification of the substance or mixture

Classification according to

Regulation (EC) No 1272/2008 [CLP]

This mixture is not classified as hazardous according to Regulation (EC) No 1272/2008 [CLP]

2.2. Labelling elements

This mixture is not classified as hazardous according to Regulation (EC) No 1272/2008 [CLP]

Hazard warnings

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This mixture is not classified as dangerous according to Regulation (EC) No 1272/2008 [CLP]
EUH210 - Safety data sheet available on request

Unknown aquatic toxicity Contains 0 % components of unknown aquatic toxicity.

2.3. Other dangers

There is no information available.

Information on the endocrine disorder This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition / Information on ingredients

3.1 Fabrics

Not applicable

3.2 Mixtures

| Chemical name | Weight-% | REACH registration number | EC No (EU Index no.) | Classification according to Regulation (EC) No 1272/2008 [CLP] | Specific concentration limit (SCL): | M-factor | M-factor (long-term) |
|--|-----------|---------------------------|-----------------------------|--|-------------------------------------|----------|----------------------|
| Methyl Nonafluoroisobutyl Ether 163702-08-7 | 25 - <50% | 01-2119899252-29-0001 | 422-270-2 | No data available | - | - | - |
| Methyl Nonafluorobutyl Ether 163702-07-6 | 25 - <50% | 01-2119899252-29-0001 | 422-270-2 | No data available | - | - | - |
| PROPAN-2-OL 67-63-0 | 5 - <10% | 01-2119457558-25-0000 | (603-117-00-0) 200-661-7 | Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) | - | - | - |

For the wording of the H- and EUH-phrases see section 1.6

Estimation of acute toxicity

No information is available

| Chemical name | Oral LD 50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 h - dust/mist - mg/l | Inhalation LC50 - 4 h - vapour - mg/l | Inhalation LC50 - 4 h - Gas - ppm |
|------------------------|------------------|-------------------|--|---------------------------------------|-----------------------------------|
| PROPAN-2-OL 67-63-0 | 1870 | 4059 | No data available | 30.1002 | No data available |

This product does not contain substances of very high concern (SVHC) on the candidate list in a concentration $\geq 0.1\%$ (Regulation (EC) No 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1 Description of first aid measures

Breathe in Move to fresh air.

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|---------------------------------|--|
| Eye contact eye area. | Rinse thoroughly with plenty of water for at least 15 minutes, avoiding the upper and lower Lift the lower eyelid. Seek medical help. |
| Skin contact | Wash skin with soap and water. Consult a doctor in case of skin irritation or allergic reactions. |
| Ingestion | Rinse out mouth. |

4.2 Most important symptoms and effects, both acute and delayed
Symptoms No information available.

Effects of exposure None.

4.3 Indications for immediate medical attention or specialised
treatment Advice for the doctorSymptomatic
treatment.

SECTION 5: Fire-fighting measures

5.1. Extinguishing agent
Suitable extinguishing agents

Use fire-fighting measures that are adapted to the local conditions and the
environment.

Large fire CAUTION: The use of water spray for firefighting may be ineffective.

Unsuitable extinguishing agents Do not use a high-pressure water jet to disperse spilled material.

5.2. Special hazards arising from the substance or mixture

Special hazards arising from the There is no information available.
substance

5.3. Instructions for firefighting

Special protective equipment Fire-fighting teams must wear self-contained breathing apparatus and full turnout gear. Use
and firefighting precautions personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Emergency personnel Use personal protective equipment recommended in section 8.

6.2. Environmental protection measures

Environmental precautions See section 12 for additional environmental information.

6.3. Methods and material for retention and cleaning

Methods for containment Avoid further leakage or spillage if safely possible.

Cleaning procedure Pick up mechanically and dispose of in suitable containers.

Avoidance of secondary hazardsClean contaminated objects and surfaces thoroughly in compliance with
environmental regulations.

6.4. Reference to other sections

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Reference to other sections Further information can be found in section 8. Further information can be found in Section 13.

SECTION 7: Handling and storage

7.1. Protective measures for safe handling

Notes on safe handling Ensure adequate ventilation.

General hygiene regulations Handle with good industrial hygiene and safety techniques.

7.2. Conditions for safe storage, taking into account incompatibilities

Storage conditions Keep container tightly closed and store in a dry and well-ventilated place.

Storage class (TRGS 510) LGK 10.

7.3. Specific end uses Risk management measures (RMM)

The required information is contained in this safety data sheet.

SECTION 8: Exposure controls/personal protective equipment

8.1. Parameters to be monitored

Exposure limits This product, as supplied, contains no harmful substances with Occupational exposure limits set by the authority responsible for the region.

| Chemical name | European Union | Austria | Belgium | Bulgaria | Croatia |
|------------------------|--|---|---|---|---|
| PROPAN-2-OL 67-63-0 | - | TWA: 200 ppm TWA: 500 mg/m ³ STEL 800 ppm STEL 2000 mg/m ³ | TWA: 200 ppm TWA: 500 mg/m ³ STEL: 400 ppm STEL: 1000 mg/m ³ | STEL: 1225.0 mg/m ³ TWA: 980.0 mg/m ³ | TWA: 400 ppm TWA: 999 mg/m ³ STEL: 500 ppm STEL: 1250 mg/m ³ |
| Chemical name | Cyprus | Czech republic | Denmark | Estonia | Finland |
| PROPAN-2-OL 67-63-0 | - | TWA: 500 mg/m ³ Ceiling: 1000 mg/m ³ D* | TWA: 200 ppm TWA: 490 mg/m ³ STEL: 400 ppm STEL: 980 mg/m ³ | TWA: 150 ppm TWA: 350 mg/m ³ STEL: 250 ppm STEL: 600 mg/m ³ | TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 620 mg/m ³ |
| Chemical name | France | Germany TRGS | Germany DFG | Greece | Hungary |
| PROPAN-2-OL 67-63-0 | STEL: 400 ppm STEL: 980 mg/m ³ | TWA: 200 ppm TWA: 500 mg/m ³ | TWA: 200 ppm TWA: 500 mg/m ³ Peak: 400 ppm Peak: 1000 mg/m ³ | TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³ | TWA: 500 mg/m ³ TWA: 200 ppm STEL: 1000 mg/m ³ STEL: 400 ppm b* |
| Chemical name | Ireland | Italy MDLPS | Italy AIDII | Latvia | Lithuania |
| PROPAN-2-OL 67-63-0 | TWA: 200 ppm STEL: 400 ppm Sk* | - | TWA: 200 ppm TWA: 492 mg/m ³ STEL: 400 ppm STEL: 983 mg/m ³ | TWA: 350 mg/m ³ STEL: 600 mg/m ³ | TWA: 150 ppm TWA: 350 mg/m ³ STEL: 250 ppm STEL: 600 mg/m ³ |
| Chemical name | Luxembourg | Malta | The Netherlands | Norway | Poland |
| PROPAN-2-OL 67-63-0 | - | - | - | TWA: 100 ppm TWA: 245 mg/m ³ STEL: 150 ppm STEL: 308.25 mg/m ³ | STEL: 1200 mg/m ³ TWA: 900 mg/m ³ skóra* |

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| Chemical name | Portugal | Romania | Slovakia | Slovenia | Spain |
|------------------------|--|---|---|---|---|
| PROPAN-2-OL 67-63-0 | TWA: 200 ppm STEL: 400 ppm | TWA: 81 ppm TWA: 200 mg/m ³ STEL: 203 ppm STEL: 500 mg/m ³ | TWA: 200 ppm TWA: 500 mg/m ³ Ceiling: 1000 mg/m ³ | TWA: 200 ppm TWA: 500 mg/m ³ STEL: 400 ppm STEL: 1000 mg/m ³ | TWA: 200 ppm TWA: 500 mg/m ³ STEL: 400 ppm STEL: 1000 mg/m ³ |
| Chemical name | Sweden | Switzerland | Great Britain | | |
| PROPAN-2-OL 67-63-0 | NGV: 150 ppm NGV: 350 mg/m ³ Vägledande KGV: 250 ppm Vägledande KGV: 600 mg/m ³ | TWA: 200 ppm TWA: 500 mg/m ³ STEL: 400 ppm STEL: 1000 mg/m ³ | TWA: 400 ppm TWA: 999 mg/m ³ STEL: 500 ppm STEL: 1250 mg/m ³ | | |

Biological occupational exposure limits As supplied, this product does not contain any substances that are harmful to health in accordance with the occupational exposure limits set by the authority responsible for the region.

| Chemical name | European Union | Austria | Bulgaria | Croatia | Czech republic | |
|--|--|---|--|--|--|--|
| PROPAN-2-OL 67-63-0 | - | - | - | 50 mg/L - blood (Acetone) - at the end of the work shift 50 mg/L - urine (Acetone) - at the end of the work shift | - | |
| Chemical name | Denmark | Finland | France | Germany DFG | Germany TRGS | |
| PROPAN-2-OL 67-63-0 | - | - | - | 25 mg/L (whole blood - Acetone end of shift) 25 mg/L (urine - Acetone end of shift) 25 mg/L - BAT (end of exposure or end of shift) urine 25 mg/L - BAT (end of exposure or end of shift) blood | 25 mg/L (whole blood - Acetone end of shift) 25 mg/L (urine - Acetone end of shift) | |
| Chemical name | Hungary | Ireland | Italy MDLPS | Italy AIDII | | |
| PROPAN-2-OL 67-63-0 | - | 40 mg/L (urine - Acetone end of shift at end of workweek) | - | 40 mg/L - urine (Acetone) - end of shift at end of workweek | | |
| Chemical name | Latvia | Luxembourg | Romania | Slovakia | | |
| Methyl Nonafluoroisobutyl Ether 163702-08-7 | - | - | 5 mg/g Creatinine - urine (Fluorine) - end of shift | - | | |
| Methyl Nonafluorobutyl Ether 163702-07-8 | - | - | 5 mg/g Creatinine - urine (Fluorine) - end of shift | - | | |
| PROPAN-2-OL 67-63-0 | - | - | 50 mg/L - urine (Acetone) - end of shift | - | | |
| Chemical name | Slovenia | Spain | Switzerland | Great Britain | | |
| PROPAN-2-OL 67-63-0 | 25 mg/L - blood (Acetone) - at the end of the work shift 25 mg/L - urine (Acetone) - at the end of the work shift | 40 mg/L (urine - Acetone end of workweek) | 25 mg/L (urine - Acetone end of shift) 0.4 mmol/L (urine - Acetone end of shift) 25 mg/L (whole blood - Acetone end of shift) 0.4 mmol/L (whole blood - Acetone end of shift) | - | | |

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Derived no-effect level (DNEL) - Workers No information available

| Chemical name | Oral | Dermal | Inhale |
|------------------------|------|--------------------------|-------------------------------|
| PROPAN-2-OL 67-83-0 | - | 888 mg/kg bw/day [4] [6] | 500 mg/m ³ [4] [6] |

Derived no-effect level (DNEL) - general public No information available.

| Chemical name | Oral | Dermal | Inhale |
|------------------------|-------------------------|--------|------------------------------|
| PROPAN-2-OL 67-83-0 | 26 mg/kg bw/day [4] [6] | - | 89 mg/m ³ [4] [6] |

Estimated no-effect concentration (PNEC) No information available.

| Chemical name | Fresh water | Fresh water (intermittent release) | Seawater | Seawater (intermittent release) | Air |
|------------------------|-------------|--|------------|---------------------------------------|-----|
| PROPAN-2-OL 67-83-0 | 140.9 mg/L | 140.9 mg/L | 140.9 mg/L | - | - |

| Chemical name | Freshwater sediment | Seawater sediment | Waste water treatment | Floor | Food chain |
|------------------------|-----------------------------|-----------------------------|--------------------------|------------------|----------------|
| PROPAN-2-OL 67-83-0 | 552 mg/kg sediment dw | 552 mg/kg sediment dw | 2251 mg/L | 28 mg/kg soil dw | 160 mg/kg food |

8.2. Exposure controls and monitoring

Technical control equipment There is no information available.

**Personal protective equipment
Eye/face protection** No special protective equipment is required.

Skin and body protection No special protective equipment is required.

Respiratory protection No protective equipment is required under normal conditions of use. Ventilation and evacuation may be necessary if exposure limits are exceeded or if irritation occurs.

General hygiene regulations Handle with good industrial hygiene and safety techniques.

Limiting and monitoring environmental exposure There is no information available.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties Physical

stateLiquid

Appearance clear liquid
 Colour Colourless
 Odour Slightly alcoholic.
 Odour threshold No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks - Method</u> |
|---|---------------------------|--|
| Melting point/freezing point | No | None knownInitial |
| boiling point and boiling | range54°C | 54°C/129°F@ 101.3 kPa |
| Flammability | No | Not |
| flammableFlammability limit in the atmosphere | | |
| Air | | |
| Upper flammability or explosion limit | No data available No | |
| Lower flammability or explosion limit | data available | |
| Flash point | No data available | Non-flammable Does not flash, day closed cup (ASTM D 56) |
| Auto-ignition temperature | 443 °C443°C | , ASTM E859 |
| Decomposition temperature | | |
| pH value | No data available pH | |
| (as aqueous solution) | No data available | |
| Viscosity, kinematic | No data available | |
| Dynamic viscosity | <=0.01 Pa s @ 23°C | |
| Water solubility | Slightly soluble in water | |
| Solubility(ies) | No data available | |
| Partition coefficient | No data available | |
| Vapour pressure | 27.6 kPa @ 25°C | |
| Relative density | 1.48 (H2O = 1) @ 25°C | |
| Bulk density | No data available | |
| Liquid density | No data available | |
| Relative vapour density | 7.0 | |
| Particle properties | | |
| Particle size | No information available | |
| Particle size distribution | No information available | |

9.2. Other information

Volatility 100%

9.2.1. Information on physical hazard classes

Not applicable

9.2.2. Other security features

No information available 58 (BUOAC = 1)

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data Sensitivity to

mechanical impact None.
 Sensitivity to None.

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Static discharge

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None during normal processing.

10.4. Conditions to avoid

Conditions to avoid None known according to available information.

10.5. Incompatible materials

Incompatible materials According to available information none known.

10.6. Hazardous decomposition products

Hazardous decomposition products None known according to available information.

SECTION 11: Toxicological information

11.1. Information on hazard classes according to Regulation (EC) No

1272/2008 Information on likely routes of exposure

Product information

Inhalation Specific test data for the substance or mixture are not available. **Eye contact**
Specific test data for the substance or mixture are not available. **Skin contact**
Specific test data for the substance or mixture are not available. Toxic by
Skin contact. (based on the ingredients).

Ingestion Specific test data for the substance or mixture are not available.

Symptoms related to the physical, chemical and toxicological properties Symptoms No information
available.

Acute toxicity

Toxicity index

The following values are calculated on the basis of chapter 3.1 of the GHS document ATEmix
(inhalation of vapours)30.1002 mg/l

| Chemical name | LD50 oral | LD50 dermal | LC50 Inhalation |
|---------------|----------------------|-------------------------|-------------------------|
| PROPAN-2-OL | = 1870 mg/kg (Rat) | = 4059 mg/kg (Rabbit) | > 10000 ppm (Rat) 6 h |

Delayed and immediate effects as well as chronic effects after short or long term exposure Skin corrosion/irritationNo
information available.

Serious eye damage/eye irritation There is no information available.

Respiratory sensitisation or of the skin No information available.

Germ cell mutagenicity No information available.

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Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties
Endocrine disrupting properties No information available.

11.2.2. Other information
Other adverse effects No information available.

SECTION 12: Environmental information

12.1. Toxicity

Ecotoxicity

Unknown aquatic toxicity Contains 0 % components of unknown aquatic toxicity.

| Chemical name | Algae/water plants | Fish | Toxicity towards Microorganisms | Crustaceans |
|---------------|--|--|---------------------------------|---------------------------------------|
| PROPAN-2-OL | EC50: >1000mg/L (96h, Desmodesmus subspicatus) EC50: >1000mg/L (72h, Desmodesmus subspicatus) | LC50: =9640mg/L (96h, Pimephales promelas) LC50: =11130mg/L (96h, Pimephales promelas) LC50: >1400000µg/L (96h, Lepomis macrochirus) | - | EC50: =13299mg/L (48h, Daphnia magna) |

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No data is available for this product.

| Chemical name | Partition coefficient |
|---------------|-----------------------|
| PROPAN-2-OL | 0.05 |

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of the PBT and vPvB assessment

Results of the PBT and vPvB assessment The product does not contain any substances classified as PBT or vPvB above the notification threshold.

| Chemical name | Results of the PBT and vPvB assessment |
|---------------------------------|--|
| Methyl Nonafluoroisobutyl Ether | The substance is not a PBT / vPvB |
| PROPAN-2-OL | The substance is not a PBT / vPvB |

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12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other harmful effects

There is no information available.

SECTION 13: Disposal instructions

13.1. Waste treatment process

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental regulations.

Contaminated packaging Do not reuse emptied containers.

SECTION 14: Transport information

IATA

- 14.1 UN number or ID number Not applicable
- 14.2 UN proper shipping name Not regulated Not applicable
- 14.3 Transport hazard classes Not applicable
- 14.4 Packaging group Not applicable
- 14.5 Environmental hazards Not applicable
- 14.6 Special precautions for the user Not applicable

IMDG

- 14.1 UN number or ID number Not regulated
- 14.2 UN proper shipping name Not applicable Not regulated
- 14.3 Transport hazard classes Not applicable
- 14.4 Packaging group Not applicable
- 14.5 Environmental hazards Not applicable
- 14.6 Special precautions for the user Not applicable
- 14.7 Transport of bulk goods by sea in accordance with IMO instruments Not applicable

ADR

- 14.1 UN number or ID number Not regulated
- 14.2 UN proper shipping name Not regulated Not applicable
- 14.3 Transport hazard classes Not applicable
- 14.4 Packaging group Not applicable
- 14.5 Environmental hazards Not applicable
- 14.6 Special precautions for the user Not applicable

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SECTION 15: Legislation

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

Mixture

National regulations

| Chemical name | French RG number |
|-----------------------|------------------|
| PROPAN-2-OL - 67-63-0 | RG 84 |

Germany Water hazard class (WGK) not hazardous to water (nwg)

European Union

Observe Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

This product does not contain any substances subject to authorisation (Regulation (EC) No 1907/2006, (REACH), Annex XIV) This product does not contain any substances subject to restriction (Regulation (EC) No 1907/2006 (REACH), Annex XVII)

| Chemical name | Restricted substance according to REACH Annex XVII | Substance subject to authorisation according to REACH, Annex XIV |
|-----------------------|--|--|
| PROPAN-2-OL - 67-63-0 | 75. | - |

Persistent organic pollutants

Not applicable

Regulation on ozone-depleting substances (EC) No. 1005/2009

Not applicable

| Chemical name | Regulation on Biocidal Products (EU) No. 528/2012 (BPR) |
|-----------------------|--|
| PROPAN-2-OL - 67-63-0 | Product type 2: Disinfectants and algacides not intended for direct use on humans or animals Product type 4: Food and feed Product type 1: Human hygiene |

15.2. Chemical safety assessment

Chemical safety report There is no information available

SECTION 16: Other information

Key or legend for abbreviations and acronyms used in the safety data sheet

Text of the H-phrases referred to in section 3

H225 - Highly flammable liquid and vapour

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H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

Legend

SVHC: Substance of Very High Concern for authorisation:

Legend Section 8: Exposure controls/personal protection

| | | | |
|-------------|-----------------------------|------|---|
| TWA | TWA (time weighted average) | STEL | STEL (Short Term Exposure Limit, value for Short-term exposure) |
| Limit value | Maximum limit value | Sk* | Skin determination |
| + | Sensitisers | | |

| Categorisation procedure | |
|--|---------------------------|
| Classification according to Regulation (EC) No 1272/2008 [CLP] | Method used |
| Acute oral toxicity | On the basis of test data |
| Acute dermal toxicity | On the basis of test data |
| Acute inhalation toxicity - gas | On the basis of test data |
| Acute inhalation toxicity - vapours | Calculation method |
| Acute inhalation toxicity - dust/mist | On the basis of test data |
| Corrosive/irritant effect on the skin | Calculation method |
| Serious eye damage/eye irritation | Calculation method |
| Sensitisation of the respiratory tract | Calculation method |
| Sensitisation of the skin | Calculation method |
| Mutagenicity | Calculation method |
| Carcinogenicity | Calculation method |
| Reproductive toxicity | Calculation method |
| STOT - single exposure | Calculation method |
| STOT - repeated exposure | Calculation method |
| Acute aquatic toxicity | Calculation method |
| Chronic aquatic toxicity | Calculation method |
| Aspiration hazard | Calculation method |
| Ozone | Calculation method |

Relevant literature references and sources for the data used to prepare the safety data sheet

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView database European Food Safety Authority (EFSA)
Risk Assessment Committee of the European Chemicals Agency (ECHA) (ECHA_RAC) European
Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Guideline values for acute exposure (Acute Exposure Guideline Level(s), AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High production volume chemicals Food Research Journal
Database with hazardous substances
International Harmonised Chemical Information Database (IUCLID) National
Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health, see Federal Institute for Occupational Safety and Health)
National Library of Medicine ChemID Plus (NLM, CIP)
PubMed database of the National Library of Medicine (NLM PUBMED) (National Library of Medicine) National
Toxicology Programme (NTP)
New Zealand's database for the classification and labelling of chemicals (CCID)
Organisation for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development,
OECD) High Production Volume Chemicals Programme (programme for the evaluation of chemicals with high production volumes)

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Revised on 29-11-2023

Organisation for Economic Co-operation and Development (OECD) Screening Information Data Set (SIDS) World Health Organisation

Revised on 29-11-2023

Safety data sheet according to Regulation (EC) No. 1907/2006 (REACH)

Disclaimer

The information provided in this safety data sheet is correct to the best of our knowledge at the date of publication. The information is intended only as a guide for safe handling, use, processing, storage, transport, disposal and spillage and does not constitute a guarantee or quality specification. This information relates only to the material explicitly specified and may not be valid for use with other materials or other processes for such material unless specified in the text.

End of the safety data sheet