



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Number 2
Revision date 11/03/2024

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

1.1. Product identifier

Product Name TERGO™ HEAVY DEGREASING FLUID
Product Code(s) MCC-THDFD, MCC-THDFP, MCC-THDFG, MCC-THDFGL
Safety data sheet number BULK-THDF
Unique Formula Identifier (UFI) JY30-E0AA-K00M-84FJ
Pure substance/mixture Mixture

Contains trans-1,2-DICHLOROETHYLENE; (Z)-1-chloro-2,3,3-trifluoropropene

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 available

1.3. Details of the supplier of the safety data sheet

Manufacturer

MicroCare UK Ltd
Unit 4, Whitehall Court
Leeds
LS12 5SN
United Kingdom
Tel: +44 (0) 113 3609019
Email: MCCEurope@MicroCare.com
For further information, please contact

Contact Point el: +44 (0) 113 3609019

E-mail address mcceurope@microcare.com

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

| | |
|--|---------------------|
| Acute toxicity - Oral | Category 4 - (H302) |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 - (H332) |
| Chronic aquatic toxicity | Category 3 - (H412) |

2.2. Label elements

Contains trans-1,2-DICHLOROETHYLENE; (Z)-1-chloro-2,3,3-trifluoropropene



Signal word

Warning

Hazard statements

H302 - Harmful if swallowed

H332 - Harmful if inhaled

H412 - Harmful to aquatic life with long lasting effects

EUH210 - Safety data sheet available on request

Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

P312 - Call a POISON CENTER or doctor if you feel unwell.

P501 - Dispose of contents/ container to an approved waste disposal plant.

Unknown acute toxicity

99.5 % of the mixture consists of ingredient(s) of unknown acute toxicity.

5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

9.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Unknown aquatic toxicity

Contains 0 % of components with unknown hazards to the aquatic environment.

Additional information

This product requires tactile warnings if supplied to the general public.

2.3. Other hazards

Other hazards

No information available.

PBT & vPvB

None known. This product does not contain any known or suspected endocrine disruptors.

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

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) |
|--|------------|---------------------------|-----------------------------|--|------------------------------------|----------|----------------------|
| trans-1,2-DICHLOROETHYLENE 156-60-5 | 50 - <100% | 01-2120093504-55-00 03 | (602-026-00-3) 205-860-2 | Acute Tox. 4 (H332) Aquatic Chronic 3 (H412) Flam. Liq. 2 (H225) | - | - | - |
| Pentane | 5 - <10% | 01-0000019452-72-00 | 459-520-5 | No data available | - | - | - |

| | | | | | | | |
|---|-----------|---------------------------|-----------|---|---|---|---|
| 1,1,1,2,2,3,4,5,5,5-d ecafluoro-3-methoxy -4-(trifluoromethyl) 132182-92-4 | | 00 | | | | | |
| (Z)-1-chloro-2,3,3-tri fluoropropene 1263679-68-0 | 2.5 - <5% | 01-2120811806-55-00 00 | 824-458-3 | Aquatic Chronic 3 (H412) STOT SE 3 (H336) | - | - | - |
| (E)-1-chloro-2,3,3-tri fluoropropene 1263679-71-5 | 0.5 - <1% | 01-2120811806-55-00 00 | - | Aquatic Chronic 3 (H412) STOT SE 3 (H336) | - | - | - |

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

| Chemical name | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapour - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|--|-----------------|----------------------|--|---|---|
| trans-1,2-DICHLOROET HYLENE 156-60-5 | 1235 | 5000 | No data available | 95.5523 | No data available |

This product does not contain candidate substances of very high concern at 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

| | |
|---|---|
| General advice | Show this safety data sheet to the doctor in attendance. |
| Inhalation | Remove to fresh air. If symptoms persist, call a doctor. If breathing has stopped, give artificial respiration. Get medical attention immediately. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor. |
| Skin contact | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor. |
| Ingestion | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention. |
| Self-protection of the first aider | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapours or mists. Use personal protective equipment as required. See section 8 for more information. |

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

| | |
|----------------------------|---|
| Symptoms | Coughing and/ or wheezing. Difficulty in breathing. |
| Effects of Exposure | None. |

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

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Avoid breathing vapours or mists. Use personal protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapours or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product.

General hygiene considerations Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach

of children.

Storage class (TRGS 510)

LGK 10.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

| Chemical name | Supplier OEL |
|---|--------------|
| (Z)-1-chloro-2,3,3-trifluoropropene 1263679-68-0 | TWA: 250 ppm |

| Chemical name | European Union | Austria | Belgium | Bulgaria | Croatia |
|--|---|---|---|---|---|
| trans-1,2-DICHLOROETHYLENE 156-60-5 | - | TWA: 200 ppm TWA: 790 mg/m ³ STEL 800 ppm STEL 3160 mg/m ³ | TWA: 200 ppm TWA: 805 mg/m ³ | - | TWA: 200 ppm TWA: 806 mg/m ³ STEL: 250 ppm STEL: 1010 mg/m ³ |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia | Finland |
| trans-1,2-DICHLOROETHYLENE 156-60-5 | - | TWA: 800 mg/m ³ Ceiling: 1600 mg/m ³ | TWA: 200 ppm TWA: 790 mg/m ³ STEL: 400 ppm STEL: 1580 mg/m ³ | - | TWA: 200 ppm TWA: 800 mg/m ³ STEL: 250 ppm STEL: 1000 mg/m ³ |
| Chemical name | France | Germany TRGS | Germany DFG | Greece | Hungary |
| trans-1,2-DICHLOROETHYLENE 156-60-5 | - | TWA: 200 ppm TWA: 800 mg/m ³ | TWA: 200 ppm TWA: 800 mg/m ³ Peak: 400 ppm Peak: 1600 mg/m ³ | TWA: 200 ppm TWA: 790 mg/m ³ STEL: 250 ppm STEL: 1000 mg/m ³ | TWA: 200 ppm TWA: 800 mg/m ³ STEL: 400 ppm STEL: 1580 mg/m ³ |
| Chemical name | Ireland | Italy MDLPS | Italy AIDII | Latvia | Lithuania |
| trans-1,2-DICHLOROETHYLENE 156-60-5 | TWA: 200 ppm TWA: 790 mg/m ³ STEL: 600 ppm STEL: 2370 mg/m ³ | - | TWA: 200 ppm TWA: 793 mg/m ³ | - | - |
| Chemical name | Luxembourg | Malta | Netherlands | Norway | Poland |
| trans-1,2-DICHLOROETHYLENE 156-60-5 | - | - | - | TWA: 100 ppm TWA: 395 mg/m ³ STEL: 150 ppm STEL: 493.75 mg/m ³ | TWA: 700 mg/m ³ |
| Chemical name | Portugal | Romania | Slovakia | Slovenia | Spain |
| trans-1,2-DICHLOROETHYLENE 156-60-5 | TWA: 200 ppm | TWA: 50 ppm TWA: 200 mg/m ³ STEL: 76 ppm STEL: 300 mg/m ³ | TWA: 200 ppm TWA: 800 mg/m ³ Ceiling: 1010 mg/m ³ | TWA: 200 ppm TWA: 800 mg/m ³ STEL: 400 ppm STEL: 1600 mg/m ³ | TWA: 200 ppm TWA: 807 mg/m ³ |
| Chemical name | Sweden | Switzerland | United Kingdom | | |
| trans-1,2-DICHLOROETHYLENE 156-60-5 | - | TWA: 200 ppm TWA: 790 mg/m ³ STEL: 400 ppm STEL: 1580 mg/m ³ | TWA: 200 ppm TWA: 806 mg/m ³ STEL: 250 ppm STEL: 1010 mg/m ³ | | |

Biological occupational exposure limits

| Chemical name | Latvia | Luxembourg | Romania | Slovakia |
|--|--------|------------|--|----------|
| Pentane 1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4-(trifluoromethyl) 132182-92-4 | - | - | 5 mg/g Creatinine - urine (Fluorine) - end of shift | - |

Derived No Effect Level (DNEL) - Workers

| Chemical name | Oral | Dermal | Inhalation |
|--|------|--------|-------------------------------|
| trans-1,2-DICHLOROETHYLENE 156-60-5 | - | - | 797 mg/m ³ [4] [6] |

Notes

[4] Systemic health effects.
[6] Long term.

Derived No Effect Level (DNEL) - General Public

| Chemical name | Oral | Dermal | Inhalation |
|--|-------------------------|--------|-------------------------------|
| trans-1,2-DICHLOROETHYLENE 156-60-5 | 57 mg/kg bw/day [4] [6] | - | 198 mg/m ³ [4] [6] |

Notes

[4] Systemic health effects.
[6] Long term.

Predicted No Effect Concentration (PNEC)

| Chemical name | Freshwater | Freshwater (intermittent release) | Marine water | Marine water (intermittent release) | Air |
|--|------------|--------------------------------------|--------------|--|-----|
| trans-1,2-DICHLOROETHYLENE 156-60-5 | 36.4 µg/L | 363.6 µg/L | 3.6 µg/L | - | - |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|--|----------------------------|---------------------------|------------------|--------------------|------------|
| trans-1,2-DICHLOROETHYLENE 156-60-5 | 548.3 µg/kg sediment dw | 54.8 µg/kg sediment dw | 17 mg/L | 56.3 µg/kg soil dw | - |

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection No special protective equipment required.

| | |
|--|--|
| Skin and body protection | No special protective equipment required. |
| Respiratory protection | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| General hygiene considerations | Do not eat, drink or smoke when using this product. |
| Environmental exposure controls | No information available. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------------|--------------------------|
| Physical state | Liquid |
| Appearance | Liquid |
| Colour | Water-white |
| Odour | Characteristic. Solvent. |
| Odour threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|--------------------------|-------------------------------|
| Melting point / freezing point | No data available | None known |
| Initial boiling point and boiling range | 48 °C | None known |
| Flammability | No data available | Not flammable |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Flash point | No data available | Will Not Flash Tag Closed Cup |
| Autoignition temperature | No data available | |
| Decomposition temperature | | |
| pH | No data available | |
| pH (as aqueous solution) | No data available | |
| Kinematic viscosity | <1 cSt at 25°C | |
| Dynamic viscosity | No data available | |
| Water solubility | slightly soluble | |
| Solubility(ies) | No data available | |
| Partition coefficient | No data available | |
| Vapour pressure | No data available | |
| Relative density | No data available | |
| Bulk density | No data available | |
| Liquid Density | 1.27 | |
| Relative vapour density | No data available | |
| Particle characteristics | | |
| Particle Size | No information available | |
| Particle Size Distribution | No information available | |

9.2. Other information

| | |
|-------------------|------|
| Volatility | 100% |
|-------------------|------|

9.2.1. Information with regards to physical hazard classes
Not applicable

9.2.2. Other safety characteristics

No information available

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 static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Excessive heat.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components). |
| Eye contact | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion | Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components). |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Coughing and/ or wheezing.

Acute toxicity Harmful if swallowed. Harmful by inhalation.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

| | |
|--------------------------------------|----------------|
| ATEmix (oral) | 1,331.10 mg/kg |
| ATEmix (dermal) | 5,555.60 mg/kg |
| ATEmix (inhalation-gas) | 99,999.00 ppm |
| ATEmix (inhalation-vapour) | 106.20 mg/l |
| ATEmix (inhalation-dust/mist) | 1.67 mg/l |

Unknown acute toxicity

5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

9.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------|----------------------|-------------------------|-------------------------|
| trans-1,2-DICHLOROETHYLEN E | = 1235 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | = 24100 ppm (Rat) 4 h |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitisation No information available.

Germ cell mutagenicity No information available.

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: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|----------------------------|----------------------|---|----------------------------|-----------|
| trans-1,2-DICHLOROETHYLENE | - | LC50: =135mg/L (96h, Lepomis macrochirus) | - | - |

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

| Chemical name | Partition coefficient |
|-------------------------------------|-----------------------|
| trans-1,2-DICHLOROETHYLENE | 2.06 |
| (Z)-1-chloro-2,3,3-trifluoropropene | 1.9 |

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

| Chemical name | PBT and vPvB assessment |
|--|---------------------------------|
| trans-1,2-DICHLOROETHYLENE | The substance is not PBT / vPvB |
| Pentane 1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4-(trifluoromethyl) | The substance is not PBT / vPvB |
| (Z)-1-chloro-2,3,3-trifluoropropene | The substance is not PBT / vPvB |

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

- 14.1 UN number or ID number Not Regulated
- 14.2 UN proper shipping name Not applicable
- 14.3 Transport hazard class(es) Not Regulated
- 14.4 Packing group Not Regulated
- 14.5 Environmental hazards Not applicable
- 14.6 Special precautions for user Not applicable

IMDG

- 14.1 UN number or ID number Not Regulated
- 14.2 UN proper shipping name Not applicable
- 14.3 Transport hazard class(es) Not Regulated
- 14.4 Packing group Not Regulated
- 14.5 Environmental hazards Not applicable
- 14.6 Special precautions for user Not applicable
- 14.7 Maritime transport in bulk according to IMO instruments Not applicable

ADR

| | |
|-----------------------------------|----------------|
| 14.1 UN number or ID number | Not Regulated |
| 14.2 UN proper shipping name | Not applicable |
| 14.3 Transport hazard class(es) | Not Regulated |
| 14.4 Packing group | Not Regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special precautions for user | Not applicable |
| Classification code | Not Regulated |

ADN

| | |
|-----------------------------------|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special precautions for user | |
| Special Provisions | None |

SECTION 15: Regulatory information

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

National regulations

Germany

Water hazard class (WGK) non-hazardous to water (nwg)

European Union

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

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

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

Full text of H-Statements referred to under section 3

H225 - Highly flammable liquid and vapour
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness
H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | Sk* | Skin designation |
| + | Sensitisers | | |

| Classification procedure | |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used |
| Acute oral toxicity | Calculation method |
| Acute dermal toxicity | Calculation method |
| Acute inhalation toxicity - gas | Calculation method |
| Acute inhalation toxicity - vapour | Calculation method |
| Acute inhalation toxicity - dust/mist | Calculation method |
| Skin corrosion/irritation | Calculation method |
| Serious eye damage/eye irritation | Calculation method |
| Respiratory sensitisation | Calculation method |
| Skin sensitisation | 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 |

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
Environmental Protection Agency
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
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision date 11/03/2024

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, 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.

End of Safety Data Sheet