
SAFETY DATA SHEET

Solar Cleaner C 500ml

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

1.1 Product identifier
Product name : Solar Cleaner C 500ml
Product code : 59430
Product description : Not available.
Product type : Liquid.

1.2 Relevant identified uses of the substance or mixture and uses advised against
Restricted to professional users.

Material uses : Heat-transfer medium.

1.3 Details of the supplier of the safety data sheet
Supplier : Fernox
2 Genesis Business Park
Albert Drive
Sheerwater
Woking GU21 5RW

Information contact : +44 (0) 330 100 7750
+44 (0) 330 100 7751
europeanregulatory@macdermid.com

1.4 Emergency telephone number
Supplier
Telephone number : +44 (0) 330 100 7750

Hours of operation : 24/7

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Not classified.

Ingredients of unknown toxicity :

Ingredients of unknown ecotoxicity :

Classification according to Directive 1999/45/EC [DPD]
Europe

Date of issue/Date of revision : 30.11.2016
SECTION 2: Hazards identification

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification: Not classified.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms:

Signal word: No signal word.

Hazard statements: No known significant effects or critical hazards.

Precautionary statements

Prevention: Not applicable.

Response: Not applicable.

Storage: Not applicable.

Disposal: Not applicable.

Hazardous ingredients:

Supplemental label elements: Safety data sheet available on request.

2.3 Other hazards

Other hazards which do not result in classification: None known.

SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance/mixture</th>
<th>Identifiers</th>
<th>%</th>
<th>Classification</th>
<th>Regulation (EC) No. 1272/2008 [CLP] Type</th>
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| **Europe**
  nitrilotrimethylenetris(phosphonic acid) | REACH #: 01-2119487988-08 EC: 229-146-5 CAS: 6419-19-8 | ≥3 - <5 | Xi; R36 | Met. Corr. 1, H290 |
| | | | | Eye Irrit. 2, H319 [1] |
| | | | See Section 16 for the full text of the R-phrases declared above. | |
| | | | See Section 16 for the full text of the H statements declared above. | |
| **Austria**
| | | | | [2] |
| **Belgium**
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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

**Type**

1. Substance classified with a health or environmental hazard
2. Substance with a workplace exposure limit
3. Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
4. Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
5. Substance of equivalent concern

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**Eye contact**: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

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SECTION 4: First aid measures

**Inhalation**
- Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Skin contact**
- Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Ingestion**
- Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**Protection of first-aiders**
- No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

**Potential acute health effects**
- **Eye contact**
  - No known significant effects or critical hazards.
- **Inhalation**
  - No known significant effects or critical hazards.
- **Skin contact**
  - No known significant effects or critical hazards.
- **Ingestion**
  - No known significant effects or critical hazards.

**Over-exposure signs/symptoms**
- **Eye contact**
  - No specific data.
- **Inhalation**
  - No specific data.
- **Skin contact**
  - No specific data.
- **Ingestion**
  - No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician**
- In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments**
- No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media
- **Suitable extinguishing media**
  - Use an extinguishing agent suitable for the surrounding fire.
- **Unsuitable extinguishing media**
  - None known.

5.2 Special hazards arising from the substance or mixture
- **Hazards from the substance or mixture**
  - In a fire or if heated, a pressure increase will occur and the container may burst.
- **Hazardous combustion products**
  - Decomposition products may include the following materials:
    - carbon dioxide
    - carbon monoxide
    - nitrogen oxides
    - phosphorus oxides
    - metal oxide/oxides

5.3 Advice for firefighters
- **Special precautions for fire-fighters**
  - Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

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SECTION 5: Firefighting measures

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill material. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions: Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities: Store between the following temperatures: 5 to 30°C (41 to 86°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Date of issue/Date of revision: 30.11.2016
**SECTION 7: Handling and storage**

**Recommendations:** Not available.

**Industrial sector specific solutions:** Not available.

**SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 8.1 Control parameters

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Europe</strong></td>
<td></td>
</tr>
<tr>
<td>No exposure limit value known.</td>
<td></td>
</tr>
<tr>
<td><strong>Austria</strong></td>
<td></td>
</tr>
<tr>
<td>2,2',2''-nitrilotriethanol</td>
<td>GKV_MAK (Austria, 12/2011). Skin sensitiser. Form: inhalable fraction TWA: 5 mg/m³ 8 hours. Form: inhalable fraction TWA: 0.8 ppm 8 hours.</td>
</tr>
<tr>
<td><strong>Belgium</strong></td>
<td></td>
</tr>
<tr>
<td>2,2',2''-nitrilotriethanol</td>
<td>Lijst Grenswaarden / Valeurs Limites (Belgium, 4/2014). TWA: 5 mg/m³ 8 hours.</td>
</tr>
<tr>
<td><strong>Bulgaria</strong></td>
<td></td>
</tr>
<tr>
<td>No exposure limit value known.</td>
<td></td>
</tr>
<tr>
<td><strong>Croatia</strong></td>
<td></td>
</tr>
<tr>
<td>propane-1,2-diol</td>
<td>MinGoRP GVI/KGVI (Croatia, 6/2013). ELV: 10 mg/m³ 8 hours. Form: particulates ELV: 474 mg/m³ 8 hours. Form: total vapour and particulates ELV: 150 ppm 8 hours.</td>
</tr>
<tr>
<td><strong>Czech Republic</strong></td>
<td></td>
</tr>
<tr>
<td>2,2',2''-nitrilotriethanol</td>
<td>MZCR PEL/NPK-P (Czech Republic, 1/2013). Absorbed through skin. STEL: 10 mg/m³ 15 minutes. STEL: 1.64 ppm 15 minutes. TWA: 5 mg/m³ 8 hours. TWA: 0.82 ppm 8 hours.</td>
</tr>
<tr>
<td><strong>Denmark</strong></td>
<td></td>
</tr>
<tr>
<td>2,2',2''-nitrilotriethanol</td>
<td>Arbejdstilsynet (Denmark, 10/2012). TWA: 3.1 mg/m³ 8 hours. TWA: 0.5 ppm 8 hours.</td>
</tr>
<tr>
<td><strong>Estonia</strong></td>
<td></td>
</tr>
<tr>
<td>2,2',2''-nitrilotriethanol</td>
<td>Töökeskkonna keemiliste ohutegurite piirnormid määrus nr 293 (Estonia, 1/2008). Skin sensitiser. STEL: 10 mg/m³ 15 minutes. TWA: 5 mg/m³ 8 hours.</td>
</tr>
<tr>
<td><strong>Finland</strong></td>
<td></td>
</tr>
<tr>
<td>2,2',2''-nitrilotriethanol</td>
<td>Työterveyslaitos, Sosiaali- ja terveysministeriö (Finland, 3/2014). TWA: 5 mg/m³ 8 hours.</td>
</tr>
<tr>
<td><strong>France</strong></td>
<td></td>
</tr>
<tr>
<td>No exposure limit value known.</td>
<td></td>
</tr>
</tbody>
</table>

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SECTION 8: Exposure controls/personal protection

Germany
No exposure limit value known.

Greece
No exposure limit value known.

Hungary
No exposure limit value known.

Ireland

propane-1,2-diol

2,2',2''-nitrilotriethanol

Italy
No exposure limit value known.

Latvia

propane-1,2-diol

Lithuania

propane-1,2-diol

2,2',2''-nitrilotriethanol

Netherlands
No exposure limit value known.

Norway

propane-1,2-diol

2,2',2''-nitrilotriethanol

Poland
No exposure limit value known.

Portugal

2,2',2''-nitrilotriethanol

Romania
No exposure limit value known.

Slovakia
No exposure limit value known.

Slovenia

2,2',2''-nitrilotriethanol

Spain

2,2',2''-nitrilotriethanol

Sweden

2,2',2''-nitrilotriethanol

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NAOSH (Ireland, 12/2011).

OELV-8hr: 10 mg/m³ 8 hours. Form: particulate
OELV-8hr: 470 mg/m³ 8 hours. Form: vapour and particulates
OELV-8hr: 150 ppm 8 hours. Form: vapour and particulates

NAOSH (Ireland, 12/2011).

OELV-8hr: 5 mg/m³ 8 hours.

Ministru kabineta - AER (Latvia, 2/2011).
TWA: 7 mg/m³ 8 hours.

Lietuvos Higienos Normos HN 23 (Lithuania, 10/2007).
TWA: 7 mg/m³ 8 hours.

Lietuvos Higienos Normos HN 23 (Lithuania, 10/2007). Skin sensitiser.
STEL: 10 mg/m³ 15 minutes.
TWA: 5 mg/m³ 8 hours.

FOR-2011-12-06-1358 (Norway, 1/2013).
TWA: 79 mg/m³ 8 hours.
TWA: 25 ppm 8 hours.

FOR-2011-12-06-1358 (Norway, 1/2013).
TWA: 5 mg/m³ 8 hours.

TWA: 5 mg/m³ 8 hours.

Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Slovenia, 12/2010).
TWA: 5 mg/m³ 8 hours. Form: inhalable fraction

INSHT (Spain, 1/2014).
TWA: 5 mg/m³ 8 hours.
SECTION 8: Exposure controls/personal protection

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Derived effect levels

No DELs available.

Predicted effect concentrations

No PECs available.

8.2 Exposure controls

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Recommended: safety glasses with side-shields.

Skin protection

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. < 1 hour (breakthrough time): disposable vinyl
**SECTION 8: Exposure controls/personal protection**

**Body protection**: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: overall.

**Other skin protection**: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection**: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: None assigned.

**Environmental exposure controls**: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

- **Physical state**: Liquid.
- **Colour**: Colourless.
- **Odour**: Aromatic. [Slight]
- **pH**: 7.3 [Conc. (% w/w): 100%]
- **Melting point/freezing point**: Not available.
- **Initial boiling point and boiling range**: Not available.
- **Flash point**: Not available.
- **Upper/lower flammability or explosive limits**: Not available.
- **Relative density**: 1.04
- **Solubility(ies)**: Easily soluble in the following materials: cold water and hot water.
- **Partition coefficient: n-octanol/water**: Not available.
- **Auto-ignition temperature**: Not available.

**VOC content**: 32 % (w/w)

**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability**: The product is stable.

**10.3 Possibility of hazardous reactions**: Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid**: No specific data.

**Date of issue/Date of revision**: 30.11.2016
SECTION 10: Stability and reactivity

10.5 Incompatible materials: No specific data.

10.6 Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>nitrilotrimethylenetris (phosphonic acid)</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>&gt;6310 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>2100 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Conclusion/Summary: Not available.

Acute toxicity estimates
Not available.

Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>nitrilotrimethylenetris (phosphonic acid)</td>
<td>Eyes - Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>100 milligrams</td>
<td>-</td>
</tr>
</tbody>
</table>

Conclusion/Summary: Not available.

Sensitiser
Conclusion/Summary: Not available.

Mutagenicity
Conclusion/Summary: Not available.

Carcinogenicity
Conclusion/Summary: Not available.

Reproductive toxicity
Conclusion/Summary: Not available.

Teratogenicity
Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure)
Not available.

Specific target organ toxicity (repeated exposure)
Not available.

Aspiration hazard
Not available.

Information on likely routes of exposure
Not available.

Potential acute health effects

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Eye contact: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No specific data.

Ingestion: No specific data.
SECTION 11: Toxicological information

Skin contact: No specific data.
Eye contact: No specific data.

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

Short term exposure
Potential immediate effects: Not available.
Potential delayed effects: Not available.

Long term exposure
Potential immediate effects: Not available.
Potential delayed effects: Not available.

Potential chronic health effects
Not available.

Conclusion/Summary: Not available.
General: No known significant effects or critical hazards.
Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Teratogenicity: No known significant effects or critical hazards.
Developmental effects: No known significant effects or critical hazards.
Fertility effects: No known significant effects or critical hazards.
Other information: Not available.

SECTION 12: Ecological information

12.1 Toxicity
Conclusion/Summary: Not available.

12.2 Persistence and degradability
Conclusion/Summary: Not available.

12.3 Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>nitrilotrimethylene-teris (phosphonic acid)</td>
<td>-</td>
<td>22</td>
<td>low</td>
</tr>
</tbody>
</table>

12.4 Mobility in soil
Soil/water partition coefficient (K<sub>oc</sub>): Not available.
Mobility: Not available.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects: No known significant effects or critical hazards.

Date of issue/Date of revision: 30.11.2016
SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

European waste catalogue (EWC)

<table>
<thead>
<tr>
<th>Waste code</th>
<th>Waste designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 03 06</td>
<td>organic wastes other than those mentioned in 16 03 05</td>
</tr>
</tbody>
</table>

Packaging

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th></th>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 UN proper shipping name</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td>Additional information</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

14.6 Special precautions for user: **Transport within user’s premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not available.

Date of issue/Date of revision: 30.11.2016
SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable.

Other EU regulations

Europe inventory

All components are listed or exempted.

National regulations

Austria
Belgium
Bulgaria
Croatia
Czech Republic
Denmark
Estonia
Finland
France

Germany

Hazard class for water

1 Appendix No. 4

Greece
Hungary
Ireland
Italy
Latvia
Lithuania
Netherlands
Norway
Poland
Portugal
Romania
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey

United Kingdom (UK)

15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

Date of issue/Date of revision: 30.11.2016
SECTION 16: Other information

Date of printing: 10.12.2016
Date of issue/Date of revision: 30.11.2016
Date of previous issue: 29.11.2016
Version: 2.13

Notice to reader:
- Indicates information that has changed from previously issued version.

Abbreviations and acronyms:
- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not classified.</td>
<td></td>
</tr>
</tbody>
</table>

Europe

Full text of abbreviated H statements:
- H290: May be corrosive to metals.
- H319: Causes serious eye irritation.

Full text of classifications [CLP/GHS]:
- Eye Irrit. 2, H319: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
- Met. Corr. 1, H290: CORROSIVE TO METALS - Category 1

Full text of abbreviated R phrases:
- R36- Irritating to eyes.

Full text of classifications [DSD/DPD]:
- Xi - Irritant

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Fernox SDS CLP Europe