



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

# SAFETY DATA SHEET

HP-5C 20L It 1c/2d/3b

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

### 1.1 Product identifier

**Product name** : HP-5C 20L It 1c/2d/3b  
**Product code** : 62544

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

#### Identified uses

Heat-transfer medium.  
Consumer applications, Professional applications.

### 1.3 Details of the supplier of the safety data sheet

**e-mail address of person responsible for this SDS** : Europeanregulatory@macdermid.com

|  |   |   |
|--|---|---|
| Alpha Assembly Solutions Germany GmbH.<br>Elisabeth-Selbert-Straße 4,<br>40764 Langenfeld,<br>Germany. | Fernox UK Ltd.<br>2 Genesis Business Park,<br>Albert Drive, Sheerwater,<br>Woking,<br>Surrey,<br>GU21 5RW.<br>United Kingdom. | MacDermid Alpha Hungary Kft.<br>2330 Dunaharaszti,<br>Jedlik Ányos utca 2.,<br>Hungary. |
| Tel: +49 21738490313   | Tel: +44 (0) 330 100 7750   | Tel: +36 24 506 110   |
| E-Mail: sales@fernox.com   |   |   |

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** : UK NPIS 0344 892 0111 (Healthcare professionals only)

#### Supplier

**Telephone number** : Carechem24: (+44) 1865 407333; (+44) 1235 239 670 (across Europe)  
**Hours of operation** : 24/7

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to UK CLP/GHS


Skin Sens. 1, H317

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.  
See Section 16 for the full text of the H statements declared above.

SECTION 2: Hazards identification

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

2.2 Label elements

|  |   |
|--|---|
| Hazard pictograms  | :    |
| Signal word  | : Warning   |
| Hazard statements  | : H317 - May cause an allergic skin reaction.   |
| Precautionary statements   |   |
| General  | : P103 - Read carefully and follow all instructions.<br>P102 - Keep out of reach of children.<br>P101 - If medical advice is needed, have product container or label at hand.   |
| Prevention   | : P280 - Wear protective gloves: < 1 hour (breakthrough time): disposable vinyl.<br>P261 - Avoid breathing vapour.  |
| Response   | : P362 + P364 - Take off contaminated clothing and wash it before reuse.<br>P302 + P352 - IF ON SKIN: Wash with plenty of water.<br>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention. |
| Storage  | :   |
| Disposal   | : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.  |
| Hazardous ingredients  | : 1,2-benzisothiazol-3(2H)-one  |
| Supplemental label elements  | : Not applicable.   |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : Not applicable.   |
| Special packaging requirements   |   |

2.3 Other hazards

|   |   |
|---|---|
| Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII | : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Other hazards which do not result in classification   | : None known.   |

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

| Product/ingredient name                             | Identifiers  | %    | Classification  | Type |
|---|--|------|---|------|
| propane-1,2-diol                                    | REACH #:<br>01-2119456809-23<br>EC: 200-338-0<br>CAS: 57-55-6    | ≥90  | Not classified.   | [2]  |
| Molybdate (MoO42-), sodium, hydrate (1:2:2), (T-4)- | REACH #:<br>01-2119489495-21<br>EC: 231-551-7<br>CAS: 10102-40-6 | ≤0.3 | Not classified.   | [2]  |
| 1,2-benzisothiazol-3(2H)-one                        | EC: 220-120-9<br>CAS: 2634-33-5<br>Index: 613-088-00-6           | <0.1 | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317 | [1]  |

**SECTION 3: Composition/information on ingredients**

|  |  |  |   |  |
|--|--|--|---|--|
|  |  |  | Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 2, H411<br><b>See Section 16 for the full text of the H statements declared above.</b> |  |
|--|--|--|---|--|

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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

**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. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**4.2 Most important symptoms and effects, both acute and delayed**Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

## SECTION 4: First aid measures

### 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

### 5.3 Advice for firefighters

- Special protective actions 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.
- 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.

## 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 spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 spilt 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. Approach the release from upwind. 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and

SECTION 6: Accidental release measures

Section 13 for waste disposal.

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). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations

: No specific measures identified.

Industrial sector specific solutions

: No specific measures identified.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| Product/ingredient name                             | Exposure limit values  |
|---|--|
| propane-1,2-diol                                    | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br>TWA: 10 mg/m³ 8 hours. Form: Particulate<br>TWA: 474 mg/m³ 8 hours. Form: total vapour and particulates<br>TWA: 150 ppm 8 hours. Form: total vapour and particulates |
| Molybdate (MoO42-), sodium, hydrate (1:2:2), (T-4)- | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br><b>[molybdenum soluble compounds as Mo]</b><br>STEL: 10 mg/m³, (as Mo) 15 minutes.<br>TWA: 5 mg/m³, (as Mo) 8 hours.   |

Recommended monitoring procedures

: Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

EU DNELs/DMELs

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

| Product/ingredient name  | Type | Exposure             | Value                   | Population         | Effects  |
|--|------|----------------------|-------------------------|--------------------|----------|
| propane-1,2-diol   | DNEL | Long term Inhalation | 10 mg/m <sup>3</sup>    | General population | Local    |
|  | DNEL | Long term Inhalation | 10 mg/m <sup>3</sup>    | Workers            | Local    |
|  | DNEL | Long term Inhalation | 50 mg/m <sup>3</sup>    | General population | Systemic |
|  | DNEL | Long term Inhalation | 168 mg/m <sup>3</sup>   | Workers            | Systemic |
| Molybdate (MoO <sub>4</sub> <sup>2-</sup> ), sodium, hydrate (1:2:2), (T-4)- | DNEL | Long term Inhalation | 7.15 mg/m <sup>3</sup>  | General population | Systemic |
|  | DNEL | Long term Oral       | 7.3 mg/kg bw/day        | General population | Systemic |
|  | DNEL | Long term Inhalation | 23.97 mg/m <sup>3</sup> | Workers            | Systemic |
| 1,2-benzisothiazol-3(2H)-one   | DNEL | Long term Dermal     | 0.345 mg/kg bw/day      | General population | Systemic |
|  | DNEL | Long term Dermal     | 0.966 mg/kg bw/day      | Workers            | Systemic |
|  | DNEL | Long term Inhalation | 1.2 mg/m <sup>3</sup>   | General population | Systemic |
|  | DNEL | Long term Inhalation | 6.81 mg/m <sup>3</sup>  | Workers            | Systemic |

**EU PNECs**

No PNECs 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. Contaminated work clothing should not be allowed out of the workplace. 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: None assigned.

**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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. < 1 hour (breakthrough time): disposable vinyl

**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: None assigned.

**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.



## SECTION 8: Exposure controls/personal protection

- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. 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

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Liquid.
- Colour** : Blue.
- Odour** : There are no data available on the mixture itself.
- Odour threshold** : There are no data available on the mixture itself.
- Melting point/freezing point** : There are no data available on the mixture itself.
- Initial boiling point and boiling range** : Not available.
- Flammability (solid, gas)** : There are no data available on the mixture itself.
- Upper/lower flammability or explosive limits** : There are no data available on the mixture itself.
- Flash point** : Open cup: >93°C (>199.4°F) [Estimated.]
- Auto-ignition temperature** : >371°C (>699.8°F)
- Decomposition temperature** : There are no data available on the mixture itself.
- pH** : 7.5
- Viscosity** : There are no data available on the mixture itself.
- Solubility(ies)** :  
Not available.

- Solubility in water** : There are no data available on the mixture itself.
- Partition coefficient: n-octanol/ water** : Not applicable.
- Vapour pressure** : <3.2 kPa (<23.8 mm Hg)
- Evaporation rate** : There are no data available on the mixture itself.
- Relative density** : 1.045
- Vapour density** : There are no data available on the mixture itself.
- Explosive properties** : There are no data available on the mixture itself.
- Oxidising properties** : There are no data available on the mixture itself.
- Particle characteristics**
- Median particle size** : Not applicable.

### 9.2 Other information

- SAPT** : Not relevant/applicable due to nature of the product.

SECTION 10: Stability and reactivity

- 10.1 Reactivity : Not available.
- 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.
- 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

| Product/ingredient name      | Result      | Species | Dose        | Exposure |
|------------------------------|-------------|---------|-------------|----------|
| propane-1,2-diol             | LD50 Dermal | Rabbit  | 20800 mg/kg | -        |
|                              | LD50 Oral   | Rat     | 20 g/kg     | -        |
| 1,2-benzisothiazol-3(2H)-one | LD50 Oral   | Rat     | 1020 mg/kg  | -        |

Conclusion/Summary : Not tested

Acute toxicity estimates

| Product/ingredient name      | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|------------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| propane-1,2-diol             | 20000        | 20800          | N/A                      | N/A                         | N/A                                 |
| 1,2-benzisothiazol-3(2H)-one | 1020         | N/A            | N/A                      | N/A                         | N/A                                 |

Irritation/Corrosion

| Product/ingredient name      | Result                   | Species | Score | Exposure          | Observation |
|------------------------------|--------------------------|---------|-------|-------------------|-------------|
| propane-1,2-diol             | Eyes - Mild irritant     | Rabbit  | -     | 100 mg            | -           |
|                              | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 mg   | -           |
|                              | Skin - Mild irritant     | Human   | -     | 168 hours 500 mg  | -           |
|                              | Skin - Mild irritant     | Woman   | -     | 96 hours 30 %     | -           |
|                              | Skin - Moderate irritant | Child   | -     | 96 hours 30 % C   | -           |
|                              | Skin - Moderate irritant | Human   | -     | 72 hours 104 mg l | -           |
| 1,2-benzisothiazol-3(2H)-one | Skin - Mild irritant     | Human   | -     | 48 hours 5 %      | -           |

Conclusion/Summary

- Skin : Not tested
- Eyes : Not tested
- Respiratory : Not tested

Sensitisation

Conclusion/Summary

- Skin : Not tested
- Respiratory : Not tested



**SECTION 11: Toxicological information****Mutagenicity****Conclusion/Summary** : Not tested**Carcinogenicity****Conclusion/Summary** : Not tested**Reproductive toxicity****Conclusion/Summary** : Not tested**Teratogenicity****Conclusion/Summary** : Not tested**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 tested**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : May cause an allergic skin reaction.

**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:  
irritation  
redness

**Ingestion** : 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** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

**SECTION 11: Toxicological information****Other information** : No known significant effects or critical hazards.**SECTION 12: Ecological information****12.1 Toxicity**

| Product/ingredient name | Result                              | Species  | Exposure |
|-------------------------|-------------------------------------|--|----------|
| propane-1,2-diol        | Acute EC50 >110 ppm Fresh water     | Daphnia - Water flea - <i>Daphnia magna</i>                        | 48 hours |
|                         | Acute LC50 1020000 µg/l Fresh water | Crustaceans - Water flea - <i>Ceriodaphnia dubia</i>               | 48 hours |
|                         | Acute LC50 710000 µg/l Fresh water  | Fish - Fathead minnow - <i>Pimephales promelas</i>                 | 96 hours |
|                         | 1,2-benzisothiazol-3(2H)-one        | Daphnia - Water flea - <i>Daphnia magna</i>                        | 48 hours |
|                         |                                     | Crustaceans - Water flea - <i>Ceriodaphnia dubia</i>               | 48 hours |
|                         |                                     | Fish - Rainbow trout, donaldson trout - <i>Oncorhynchus mykiss</i> | 96 hours |

**Conclusion/Summary** : Ecological testing has not been conducted on this product.**12.2 Persistence and degradability****Conclusion/Summary** : Not available.**12.3 Bioaccumulative potential**

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| propane-1,2-diol        | -1.07              | -   | Low       |

**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**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Other adverse effects** : No known significant effects or critical hazards.**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 2008/98/EC.

**Waste catalogue**

**SECTION 13: Disposal considerations**

| Waste code | Waste designation                                     |
|------------|---|
| 16 03 06   | organic wastes other than those mentioned in 16 03 05 |

**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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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**

|  | ADR/RID        | IMDG           | IATA           |
|--|----------------|----------------|----------------|
| <b>14.1 UN number</b>                  | Not regulated. | Not regulated. | Not regulated. |
| <b>14.2 UN proper shipping name</b>    | -              | -              | -              |
| <b>14.3 Transport hazard class(es)</b> | -              | -              | -              |
| <b>14.4 Packing group</b>              | -              | -              | -              |
| <b>14.5 Environmental hazards</b>      | No.            | No.            | No.            |

**Additional information**

**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 IMO instruments** : Not applicable - not transported in bulk

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****UK (GB)/REACH****Annex XIV - List of substances subject to authorisation****Annex XIV**

None of the components are listed.

**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.

SECTION 15: Regulatory information

|  |  |
|--|--|
| <b>EU regulations</b>  |  |
| Industrial emissions (integrated pollution prevention and control) - Air   | : Not listed   |
| Industrial emissions (integrated pollution prevention and control) - Water | : Not listed   |
| 15.2 Chemical safety assessment  | : This product contains substances for which Chemical Safety Assessments are still required. |

SECTION 16: Other information

|  |  |
|--|--|
| Indicates information that has changed from previously issued version. |  |
| Abbreviations and acronyms   | : ATE = Acute Toxicity Estimate<br>GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments<br>DMEL = Derived Minimal Effect Level<br>DNEL = Derived No Effect Level<br>EUH statement = GB CLP-specific Hazard statement<br>N/A = Not available<br>PBT = Persistent, Bioaccumulative and Toxic<br>PNEC = Predicted No Effect Concentration<br>RRN = REACH Registration Number<br>SGG = Segregation Group<br>vPvB = Very Persistent and Very Bioaccumulative |

Procedure used to derive the classification

| Classification     | Justification      |
|--------------------|--------------------|
| Skin Sens. 1, H317 | Calculation method |

Full text of abbreviated H statements

|      |  |
|------|--|
| H302 | Harmful if swallowed.                            |
| H315 | Causes skin irritation.                          |
| H317 | May cause an allergic skin reaction.             |
| H318 | Causes serious eye damage.                       |
| H400 | Very toxic to aquatic life.                      |
| H411 | Toxic to aquatic life with long lasting effects. |

Full text of classifications

|                   |   |
|-------------------|---|
| Acute Tox. 4      | ACUTE TOXICITY - Category 4                     |
| Aquatic Acute 1   | SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1  |
| Aquatic Chronic 2 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 |
| Eye Dam. 1        | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1  |
| Skin Irrit. 2     | SKIN CORROSION/IRRITATION - Category 2          |
| Skin Sens. 1      | SKIN SENSITISATION - Category 1                 |

|                                 |                    |
|---------------------------------|--------------------|
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| Notice to reader                |                    |

SECTION 16: Other information

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