

**SOFT-SHIELD® 4800 4850**

SDS No: PHC-267 EU

**SDS Revision Date (dd/mm/yyyy): 04/10/2021**

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## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

**1.1 Product identifier : SOFT-SHIELD® 4800 4850**

**Product Code(s) : 4800 4850**

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

: Conductive elastomer / EMI gasketing.  
Use pattern: professional use.  
No restrictions on use known.

**1.3 Details of the supplier of the safety data sheet:**

**Parker Hannifin Ltd., Seal Group**

Chomerics Division Europe

Unit 6 Century Point

Halifax Road

High Wycombe

Bucks, HP12 3SL

United Kingdom

E-mail: [chomerics\\_europe@parker.com](mailto:chomerics_europe@parker.com)

Website: [www.chomerics.com](http://www.chomerics.com)

**Telephone : 044 (0) 1494 455 400**

**1.4 Emergency Telephone Number**

: INFOTRAC: (800) 535-5053 (Within Continental US and Canada); (352) 323-3500  
(International)

**1.5 National Contact**

: E-mail: [chomerics\\_europe@parker.com](mailto:chomerics_europe@parker.com)  
Website: [www.chomerics.com](http://www.chomerics.com)

### SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture**

Solid article, no odour. grey.

Most important hazards:

The product is an article and is not subject to the classification criteria of Regulation (EC) 1272/2008.

Note: This product falls under the definition of an article under Regulation (EC) No. 1272/2008 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Products with a specific shape, surface or design which determines their function more than their chemical composition). REACH requires that Parker Chomerics inform requestors of the presence of Candidate List Substances of Very High Concern (SVHC) in a concentration of > 0.1% by total weight in Articles. This product does not intentionally contain any substances present on the Candidate List SVHC's.

**2.2 Label elements**

*Hazard pictogram(s)*

The product is an article and is not subject to the classification criteria of Regulation (EC) 1272/2008. According to present data no labelling is required according to Regulation (EC) No. 1272/2008.

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### 2.3 Other hazards

Other hazards which do not result in classification:

The ingredients listed in Section 3 are encapsulated within the matrix, therefore, no exposure to these materials is expected during proper use/handling of this product.

Burning produces obnoxious and toxic fumes. If product is heated, inhalation of fumes released from product may cause 'polymer fume fever', a flu-like illness.

Environmental precautions: Avoid release to the environment. The ingredients listed in Section 3 are encapsulated within the matrix, therefore, no exposure to these materials is expected during proper use/handling of this product.

PBT assessment: This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical nature of the preparation: Article. Components - Polyurethane; PVC; Inorganic substances in powdered form; Polymer; Flame retardant; Adhesive; Antimony compounds.

The following substances shall be indicated according to legislation:

| Substance name   | <u>CAS No</u> | <u>EC No.</u> | <u>Reach<br/>Registration<br/>No.</u> | <u>% Weight</u>    | <u>Classification<br/>according to<br/>Regulation<br/>(EC) nr.<br/>1272/2008</u>      | <u>SCL,<br/>M-factor,<br/>ATE</u> |
|--|---------------|---------------|---------------------------------------|--------------------|---|-----------------------------------|
| <b>Glass, oxide,<br/>chemicals</b>                       | 65997-17-3    | 266-046-0     | Not applicable.                       | <b>10.0 - 15.0</b> | None assigned.  | Not applicable.                   |
| <b>silver</b>  | 7440-22-4     | 231-131-3     | Not applicable.                       | <b>5.0 - 10.0</b>  | None assigned.<br>Substances for which there are Community workplace exposure limits. | Not applicable.                   |
| <b>1,1'-(Ethane-1,2-diyl)bis[pe<br/>ntabromobenzene]</b> | 84852-53-9    | 284-366-9     | Present                               | <b>1.0 - 3.0</b>   | not hazardous   | Not applicable.                   |
| <b>Diantimony pentoxide</b>                              | 1314-60-9     | 215-237-7     | Present                               | <b>&lt; 0.9%</b>   | not hazardous   | Not applicable.                   |
| <b>Antimony trioxide</b>                                 | 1309-64-4     | 215-175-0     | Present                               | <b>&lt; 0.9%</b>   | Carc. 2; H351   | Not applicable.                   |

Note: The ingredients listed are encapsulated within the matrix, therefore, no exposure to these materials is expected during proper use/handling of this product.

For the full text of the H phrases not mentioned in this Section or in Section 2, see Section 16.

## SECTION 4. FIRST-AID MEASURES

### 4.1 Description of first aid measures

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- Ingestion* : Ingestion is not expected, based upon the current form of the product. However, if the article is damaged and/or material is released:  
Do NOT induce vomiting. Never give anything by mouth to an unconscious person.  
When symptoms persist or in all cases of doubt, seek medical advice.
- Inhalation* : If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. When symptoms persist or in all cases of doubt, seek medical advice.
- Skin contact* : Not normally required. However, if the article is damaged and/or improperly used: Remove/Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. When symptoms persist or in all cases of doubt, seek medical advice. Wash contaminated clothing before re-use.
- Eye contact* : Not normally required. However, if the article is damaged and/or improperly used: Immediately flush eye(s) with plenty of water. When symptoms persist or in all cases of doubt, seek medical advice.

### 4.1.2 Self-protection for the first aider

- : None known or reported by the manufacturer.

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

- : The ingredients listed in Section 3 are encapsulated within the matrix, therefore, no exposure to these materials is expected during proper use/handling of this product. If product is heated, inhalation of fumes released from product may cause 'polymer fume fever', a flu-like illness.

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

- : Treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

*Suitable extinguishing media*

- : Carbon dioxide (CO<sub>2</sub>); Dry chemical; Alcohol resistant foam; Water spray.

*Unsuitable extinguishing media*

- : None known.

### 5.2 Special hazards arising from the substance or mixture

- : The pressure in sealed containers can increase under the influence of heat. Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; Metal oxides; hydrogen cyanide; Hydrogen chloride; Nitrogen oxides (NO<sub>x</sub>); Hydrocarbons; Other unidentified organic compounds.

### 5.3 Advice for firefighters

*Protective equipment for fire-fighters*

- : Wear self-contained breathing apparatus and protective suit. Fight fire with normal precautions from a reasonable distance.

*Special fire-fighting procedures*

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

- : Wear suitable protective equipment. Keep people away from and upwind of spill/leak.

### 6.2 Environmental precautions

- : Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

### 6.3 Methods and material for containment and cleaning up

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- : Ventilate the area. Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Contact the proper local authorities.

### 6.4 Reference to other sections

- : Refer to Section 5 for firefighting instructions. Refer to protective measures listed in sections 7 and 8. Refer to Section 13 for disposal of contaminated material.

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

- : Ensure adequate ventilation. Wear suitable protective equipment. Avoid breathing fumes. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Keep away from acids and other incompatibles. Keep container tightly closed. Wash thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

- : Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Inspect periodically for damage or leaks. Protect against physical damage.

### 7.3 Specific end use(s)

- : Conductive elastomer / EMI gasketing.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

| <u>Exposure Limits:</u>                             |   |                           |              |
|---|---|---------------------------|--------------|
| <u>Chemical Name</u>                                | <u>Exposure Limits</u>                                      | <u>Type</u>               | <u>Notes</u> |
| <b>1,1'-(Ethane-1,2-diyl)bis[pentabromobenzene]</b> | N/Av  | European Union (OEL)      | N/Av         |
| <b>Antimony trioxide</b>                            | 0.5 mg/m <sup>3</sup> (TWA)                                 | Finland (OEL)             | (as Sb)      |
|   | 0.5 mg/m <sup>3</sup> (TWA)                                 | France (OEL)              | (as Sb)      |
|   | 0.1 mg/m <sup>3</sup> (TWA)<br>0.4 mg/m <sup>3</sup> (STEL) | Hungary (OEL)             | None.        |
|   | 0.5 mg/m <sup>3</sup> (TWA)                                 | Poland (OEL)              | (as Sb)      |
|   | 0.5 mg/m <sup>3</sup> (TWA)                                 | Spain (OEL)               | (as Sb)      |
|   | 0.5 mg/m <sup>3</sup> (TWA)<br>1.5 mg/m <sup>3</sup> (STEL) | The United Kingdom (WELs) | (as Sb)      |
| <b>Diantimony pentoxide</b>                         | 0.5 mg/m <sup>3</sup> (TWA)                                 | Finland (OEL)             | (as Sb)      |
|   | 0.5 mg/m <sup>3</sup> (TWA)                                 | France (OEL)              | (as Sb)      |
|   | 0.5 mg/m <sup>3</sup> (TWA)<br>2 mg/m <sup>3</sup> (STEL)   | Hungary (OEL)             | (as Sb)      |
|   | 0.5 mg/m <sup>3</sup> (TWA)                                 | Poland (OEL)              | (as Sb)      |
|   | 0.5 mg/m <sup>3</sup> (TWA)                                 | Spain (OEL)               | (as Sb)      |
|   | 0.5 mg/m <sup>3</sup> (TWA)<br>1.5 mg/m <sup>3</sup> (STEL) | The United Kingdom (WELs) | (as Sb)      |
| <b>Glass, oxide, chemicals</b>                      | None known.   | European Union (OEL)      | None.        |

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|        |   |                           |                     |
|--------|---|---------------------------|---------------------|
| silver | 0.1 mg/m <sup>3</sup> (TWA)                                 | European Union (OEL)      | None.               |
|        | 0.1 mg/m <sup>3</sup> (TWA)                                 | Finland (OEL)             | None.               |
|        | 0.1 mg/m <sup>3</sup> (TWA)                                 | France (OEL)              | None.               |
|        | 0.1 mg/m <sup>3</sup> (inhalable) (TWA)                     | Germany (OEL)             | (exposure factor 8) |
|        | 0.1 mg/m <sup>3</sup> (TWA)<br>0.4 mg/m <sup>3</sup> (STEL) | Hungary (OEL)             | None.               |
|        | 0.1 mg/m <sup>3</sup> (TWA)                                 | Italy (OEL)               | None.               |
|        | 0.05 mg/m <sup>3</sup> (TWA)                                | Poland (OEL)              | None.               |
|        | 0.1 mg/m <sup>3</sup> (TWA)                                 | Spain (OEL)               | None.               |
|        | 0.1 mg/m <sup>3</sup> (TWA)                                 | The United Kingdom (WELs) | None.               |

### Biological Exposure Indices:

No biological exposure limits noted for the ingredient(s).

## 8.2 Exposure controls

### Ventilation and engineering measures

- : Provide adequate ventilation. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

### Respiratory protection

- : not required under normal use  
In the case of vapour formation use a respirator with an approved filter. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

### Skin protection

- : For prolonged skin exposure, gloves impervious to the material are recommended. The suitability for a specific workplace should be discussed with the producers of the protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

### Eye / face protection

- : Wear as appropriate: Safety glasses with side shields; Goggles. See also EN 166.

### Other protective equipment

- : Ensure that eyewash stations and safety showers are close to the workstation location.

### General hygiene considerations

- : Avoid breathing fumes. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

## 8.3 Environmental exposure controls

- : Avoid release to the environment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state : Solid article. grey

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|  |  |
|--|--|
| <b>Colour</b>                                  | : grey   |
| <b>Odour</b>                                   | : No odour.  |
| <b>Odour threshold</b>                         | : No information available.  |
| <b>pH</b>                                      | : No information available.  |
| <b>Flash point</b>                             | : No information available.  |
| <b>Flashpoint (Method)</b>                     | : No information available.  |
| <b>Lower flammable limit (% by vol.)</b>       | : No information available.  |
| <b>Upper flammable limit (% by vol.)</b>       | : No information available.  |
| <b>Auto-ignition temperature</b>               | : No information available.  |
| <b>Decomposition temperature</b>               | : No information available.  |
| <b>Oxidizing properties</b>                    | : None known.  |
| <b>Explosive properties</b>                    | : Not expected to be sensitive to mechanical impact or static discharge. |
| <b>Initial boiling point and boiling range</b> | : No information available.  |
| <b>Melting/Freezing point</b>                  | : No information available.  |
| <b>Relative density</b>                        | : 348 g/m <sup>3</sup>   |
| <b>Solubility in water</b>                     | : insoluble  |
| <b>Other solubility(ies)</b>                   | : No information available.  |
| <b>Vapour pressure</b>                         | : No information available.  |
| <b>Vapour density</b>                          | : No information available.  |
| <b>Partition coefficient: n-octanol/water</b>  | : No information available.  |
| <b>Viscosity</b>                               | : No information available.  |
| <b>Evaporation rate (BuAe = 1)</b>             | : No information available.  |
| <b>Particle characteristics</b>                | : Not applicable.  |

### 9.2 Other Information

|   |                              |
|---|------------------------------|
| <b>Volatiles (% by weight)</b>            | : No information available.  |
| <b>Volatile organic Compounds (VOC's)</b> | : No information available.  |
| <b>Other physical/chemical comments</b>   | : No additional information. |

## SECTION 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>10.1 Reactivity</b>                         | : Not normally reactive.   |
| <b>10.2 Chemical stability</b>                 | : Stable under normal conditions.  |
| <b>10.3 Possibility of hazardous reactions</b> | : Hazardous polymerization does not occur.   |
| <b>10.4 Conditions to avoid</b>                | : Direct sources of heat. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation. |
| <b>10.5 Incompatible materials</b>             | : Oxidizing agents; Strong acids; Bases; Amines .  |

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### 10.6 Hazardous decomposition products

- : Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; metal oxides; Hydrocarbons; hydrogen cyanide; Hydrogen chloride; Nitrogen oxides (NOx); Other unidentified organic compounds.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological effects:

- Acute toxicity** : According to the classification criteria of the European Union, this product is not considered as being an acutely toxic chemical.
- Skin corrosion/Irritation** : According to the classification criteria of the European Union, this product is not considered as being a skin corrosive or irritant.
- Serious eye damage/irritation** : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.
- Respiratory or skin sensitisation** : According to the classification criteria of the European Union, this product is not considered as being an allergic respiratory sensitiser.  
According to the classification criteria of the European Union, this product is not considered as being an allergic skin sensitiser.
- Germ cell mutagenicity** : Contains no ingredient listed as a mutagen.
- Carcinogenicity** : Not classifiable as a human carcinogen.  
Contains: Antimony oxide. Antimony oxide is suspected of causing cancer. However, the concentration in this mixture is below the concentration cutoff required for classification.
- Reproductive toxicity** : Contains no ingredient listed as toxic to reproduction.
- STOT-single exposure** : According to the classification criteria of the European Union, this product is not expected to cause target organ toxicity through a single exposure.
- STOT-repeated exposure** : According to the classification criteria of the European Union, this product is not expected to cause target organ toxicity through repeated exposures.
- Aspiration hazard** : Not applicable in the product's present form.
- Routes of exposure** : Eye contact; Skin contact; Inhalation; Ingestion.
- Effects of acute exposure** : Inhalation: At normal/ambient handling temperatures, minimal or no irritation due to inhalation of vapours or mists is expected. If product is heated, inhalation of fumes released from product may cause 'polymer fume fever', a flu-like illness. Symptoms of 'polymer fume fever' may include fever, chills, headache, nausea and muscle pain.
- Skin contact: None reasonably foreseeable.
- Eye contact: None reasonably foreseeable. Dust contact with the eyes can lead to mechanical irritation.
- Ingestion: None reasonably foreseeable. If material is ingested, may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Potential Chronic Health Effects

- : No hazards resulting from the material as supplied.

### Information on other Hazards

- : None known or reported by the manufacturer.

#### 11.1.1 Acute Toxicity

- Toxicological data** : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

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| <u>Chemical name</u>                         | <u>LC<sub>50</sub>(4hr)</u><br><u>inh, rat</u> | <u>LD<sub>50</sub></u>    |                           |
|--|--|---------------------------|---------------------------|
|  |  | <u>(Oral, rat)</u>        | <u>(Rabbit, dermal)</u>   |
| Glass, oxide, chemicals                      | No information available.                      | No information available. | No information available. |
| silver                                       | No information available.                      | > 2000 mg/kg              | > 2000 mg/kg              |
| 1,1'-(Ethane-1,2-diyl)bis[pentabromobenzene] | No information available.                      | > 5000 mg/kg              | > 2000 mg/kg              |
| Diantimony pentoxide                         | No information available.                      | No information available. | No information available. |
| Antimony trioxide                            | > 5.2 mg/L                                     | > 20 000 mg/kg            | > 8300 mg/kg              |

### SECTION 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

: No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

See the following tables for individual ingredient ecotoxicity data.

Note: Contains: Silver. The acute toxicity of silver to aquatic species varies drastically by the chemical form and correlates with the availability of free ionic silver. Aquatic toxicity is highly variable not only by organism but with physical and chemical characteristics of the water itself.

#### Ecotoxicity data:

| <u>Ingredients</u>                           | <u>CAS No</u> | <u>Toxicity to Fish</u>      |                           |                 |
|--|---------------|------------------------------|---------------------------|-----------------|
|  |               | <u>LC<sub>50</sub> / 96h</u> | <u>NOEC / 21 day</u>      | <u>M Factor</u> |
| Glass, oxide, chemicals                      | 65997-17-3    | > 1000 mg/L (Zebra fish)     | No information available. | None.           |
| silver                                       | 7440-22-4     | No information available.    | No information available. | None.           |
| 1,1'-(Ethane-1,2-diyl)bis[pentabromobenzene] | 84852-53-9    | N/Av                         | N/Av                      | None.           |
| Diantimony pentoxide                         | 1314-60-9     | No information available.    | No information available. | None.           |
| Antimony trioxide                            | 1309-64-4     | 14.4 mg/L (Fathead minnow)   | 1.13 mg/L/28-day          | None.           |

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| <u>Ingredients</u>                            | CAS No     | Toxicity to Daphnia       |                           |          |
|---|------------|---------------------------|---------------------------|----------|
|   |            | EC50 / 48h                | NOEC / 21 day             | M Factor |
| Glass, oxide, chemicals                       | 65997-17-3 | No information available. | No information available. | None.    |
| silver  | 7440-22-4  | No information available. | No information available. | None.    |
| 1,1'-(Ethane-1,2-diyl)bis[pentabromo benzene] | 84852-53-9 | N/Av                      | N/Av                      | None.    |
| Diantimony pentoxide                          | 1314-60-9  | No information available. | No information available. | None.    |
| Antimony trioxide                             | 1309-64-4  | No information available. | No information available. | None.    |

| <u>Ingredients</u>                            | CAS No     | Toxicity to Algae              |                           |          |
|---|------------|--------------------------------|---------------------------|----------|
|   |            | EC50 / 96h or 72h              | NOEC / 96h or 72h         | M Factor |
| Glass, oxide, chemicals                       | 65997-17-3 | > 1000 mg/L/72hr (Green algae) | No information available. | None.    |
| silver  | 7440-22-4  | No information available.      | No information available. | None.    |
| 1,1'-(Ethane-1,2-diyl)bis[pentabromo benzene] | 84852-53-9 | N/Av                           | N/Av                      | None.    |
| Diantimony pentoxide                          | 1314-60-9  | No information available.      | No information available. | None.    |
| Antimony trioxide                             | 1309-64-4  | > 36.6 mg/L/72hr (Green algae) | 2.11 mg/L/72hr            | None.    |

### 12.2 Persistence and degradability

: The product itself has not been tested. Not expected to be rapidly biodegradable.

### 12.3 Bioaccumulation potential

: The product itself has not been tested.

### 12.4 Mobility in soil

: The product itself has not been tested.

### 12.5 Results of PBT and vPvB assessment

: This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

### 12.6 Endocrine disrupting properties

: None known or reported by the manufacturer.

### 12.7 Other Adverse Environmental effects

: None known.

**12.8 Additional information** : None known or reported by the manufacturer.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods:

**Handling for Disposal** : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

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**Methods of Disposal** : Dispose of in accordance with the European Directives on waste and hazardous waste. Waste must be classified and labelled prior to recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

### SECTION 14. TRANSPORTATION INFORMATION

| <i>Regulatory Information</i>             | <b>14.1 UN Number</b>   | <b>14.2 UN proper shipping name</b> | <b>14.3 Transport hazard class(es)</b> | <b>14.4 Packing Group</b> | <i>Label</i>  |
|---|---|-------------------------------------|--|---------------------------|---|
| ADR/RID                                   | None  | not regulated                       | not regulated                          | none                      |    |
| EU ADR/RID Classification Code            | Not applicable.   |                                     |  |                           |   |
| EU ADR / RID Hazard Identification Number | Not applicable.   |                                     |  |                           |   |
| ADR/RID Additional information            | Not classified as dangerous for conveyance in the meaning of the regulations for the transport of dangerous goods by road and rail. |                                     |  |                           |   |
| ICAO/IATA                                 | None  | Not regulated.                      | Not regulated                          | none                      |  |
| ICAO/IATA Additional information          | None.   |                                     |  |                           |   |
| IMDG                                      | None  | Not regulated.                      | Not regulated                          | none                      |  |
| IMDG Additional information               | None.   |                                     |  |                           |   |

**14.5 Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code.

**14.6 Special precautions for user**

: Appropriate advice on safety must accompany the package. Keep away from heat.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: Not applicable.

### SECTION 15. REGULATORY INFORMATION

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

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## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

: Classification according to Regulation (EC) No. 1272/2008 on the classification of hazardous substances and mixtures. This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended [including Regulation (EU) 2015/830].

Authorisations Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: None known.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended: None known.

Directive 2012/18/EU (Seveso III) on the control of major-accident hazards involving dangerous substances: None known.

Directive 94/33/EC on the protection of young people at work: (CAS # 1314-13-2)

Directive 98/24/EC on the protection of the health and safety of workers from risks related to chemical agents at work: (CAS # 1314-13-2)

German legislation on water endangering substances VwVwS Water contaminating class (Germany) 1 (self classified )

### 15.2 Chemical safety assessment

: A chemical safety assessment has not been carried out by the Manufacturer of this product.

## SECTION 16. OTHER INFORMATION

|               |   |
|---------------|---|
| <b>Legend</b> | : ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road<br>CAS: Chemical Abstract Services<br>EC: European Community<br>EEC: European Economic Community<br>EN: European Standard<br>EU: European Union<br>HSDB: Hazardous Substances Data Bank<br>IATA: International Air Transport Association<br>IBC: Intermediate Bulk Container<br>ICAO: International Civil Aviation Organisation<br>IMDG: International Maritime Dangerous Goods<br>LC: Lethal Concentration<br>LD: Lethal Dose<br>OEL: National occupational exposure limits<br>RID: Regulations concerning the International Carriage of Dangerous Goods by Rail<br>RTECS: Registry of Toxic Effects of Chemical Substances<br>SDS: Safety Data Sheet<br>STEL: Short Term Exposure Limit<br>TWA: Time Weighted Average<br>WEL: Workplace Exposure Limit |
|---------------|---|

**Information Source** : 1. Material Safety Data Sheet from manufacturer.  
2. Canadian Centre for Occupational Health and Safety, CChemoWeb Databases, 2019 (Chempendium, RTECs, HSDB, INCHEM).  
3. European Chemicals Agency, Classification Legislation, 2019.  
4. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2019.

**Preparation Date (dd/mm/yyyy)**

: 19/06/2014



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## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Reviewed Date SDS (dd/mm/yyyy)**

**Revision No.** : 04/10/2021  
**Revision No.** : 2  
**Revision Information** : (M)SDS sections updated :All  
**Regulation and Procedure** :

The product is not classified as hazardous according to Regulation (EC) No. 1272/2008. :Expert judgement

H-phrases (full-text)

H351 - Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

|   |  |
|---|--|
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