

# SAFETY DATA SHEET

DP-Stick P



## Section 1. Identification

**Product identifier** : DP-Stick P  
**Cat. No.** : 40600308, 40600309, 40600310, 40600311, 40600312, 40600313  
**Container size** : 24 g  
**Other means of identification** : Not available.  
**Product type** : Solid.

### Recommended use of the chemical and restrictions on use

**Product use** : Polishing agent for materialographic specimen preparation.  
**Area of application** : Professional applications.

**Supplier's details** : Struers ApS  
Pederstrupvej 84  
DK-2750 Ballerup  
  
Telephone: +45 44 600 800

**e-mail address of person responsible for this SDS** : sdsquestions@struers.dk  
**Emergency telephone number (with hours of operation)** : +45 44 600 800 (Only during office hours)

## Section 2. Hazards identification

**Classification of the substance or mixture** : H303 ACUTE TOXICITY (oral) - Category 5  
H316 SKIN IRRITATION - Category 3

### GHS label elements

**Signal word** : Warning  
**Hazard statements** : H303 - May be harmful if swallowed.  
H316 - Causes mild skin irritation.

### Precautionary statements

**Prevention** : Not applicable.  
**Response** : P301 + P317 - IF SWALLOWED: Get medical help.  
P332 + P317 - If skin irritation occurs: Get medical help.  
**Storage** : Not applicable.  
**Disposal** : Not applicable.

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

**Date of issue/Date of revision** : 2026/03/20 **Date of previous issue** : 2025/01/13 **Version** : 1.05 1/12



## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Other means of identification** : Not available.

| Ingredient name                                                                                    | %                     | Identifiers                       |
|----------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------|
| Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated diamond | $\geq 90$<br>$\leq 5$ | CAS: 25322-68-3<br>CAS: 7782-40-3 |

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.

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

## Section 4. First aid measures

### Description of necessary 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. If irritation persists, get medical attention.
- 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.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. 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. If necessary, call a poison center or physician. 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.

### Most important symptoms/effects, 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** : Causes mild skin irritation.
- Ingestion** : May be harmful if swallowed.

#### Over-exposure signs/symptoms



## Section 4. First aid measures

|                     |                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------|
| <b>Eye contact</b>  | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
| <b>Inhalation</b>   | : No specific data.                                                                        |
| <b>Skin contact</b> | : Adverse symptoms may include the following:<br>irritation<br>redness                     |
| <b>Ingestion</b>    | : No specific data.                                                                        |

### **Indication of immediate medical attention and special treatment needed, if necessary**

|                                   |                                                                                                                                                                            |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes to physician</b>         | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.                                                |
| <b>Specific treatments</b>        | : No specific treatment.                                                                                                                                                   |
| <b>Protection of first-aiders</b> | : 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. |

See toxicological information (Section 11)

## Section 5. Firefighting measures

### **Extinguishing media**

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | : Use an extinguishing agent suitable for the surrounding fire. |
| <b>Unsuitable extinguishing media</b> | : Do not use water jet.                                         |

|                                                   |                                         |
|---------------------------------------------------|-----------------------------------------|
| <b>Specific hazards arising from the chemical</b> | : No specific fire or explosion hazard. |
|---------------------------------------------------|-----------------------------------------|

|                                                 |                                                                                                    |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Hazardous thermal decomposition products</b> | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------|

|                                                       |                                                                                                                                                                                               |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special protective actions for fire-fighters</b>   | : 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. |
| <b>Special protective equipment for fire-fighters</b> | : 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

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

|                                    |                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>For non-emergency personnel</b> | : 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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



## Section 6. Accidental release measures

**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".

**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).

### Methods and material for containment and cleaning up

**Small spill** : Move containers from spill area. Dilute with water and mop up if water-soluble. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. 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.

**Conditions for safe storage, including any incompatibilities** : 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.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

No exposure limit value known.

#### Biological exposure indices

No exposure indices known.



## Section 8. Exposure controls/personal protection

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- 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.

### 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: chemical splash goggles.

### 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.  
Recommended: Butyl rubber gloves. The breakthrough time must be greater than the end use time of the product.
- 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.
- 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** : 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: (as filter combination A2/P2)

## Section 9. Physical and chemical properties and safety characteristics

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

### Appearance

- Physical state** : Solid. [Wax]
- Colour** : Black.
- Odour** : Odourless.
- Odour threshold** : Not available.



## Section 9. Physical and chemical properties and safety characteristics

| pH                                                       | : Not available.                                                                                                                                 |       |        |       |         |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|-------|---------|
| Melting point/freezing point                             | : >50°C (>122°F)                                                                                                                                 |       |        |       |         |
| Boiling point or initial boiling point and boiling range | : >100°C (>212°F)                                                                                                                                |       |        |       |         |
| Flash point                                              | : Closed cup: >225°C (>437°F)                                                                                                                    |       |        |       |         |
| Evaporation rate                                         | : Not available.                                                                                                                                 |       |        |       |         |
| Flammability                                             | : Not available.                                                                                                                                 |       |        |       |         |
| Lower and upper explosion limit/flammability limit       | : Not applicable.                                                                                                                                |       |        |       |         |
| Vapour pressure                                          | : Not available.                                                                                                                                 |       |        |       |         |
| Relative vapour density                                  | : Not applicable.                                                                                                                                |       |        |       |         |
| Relative density                                         | : 1                                                                                                                                              |       |        |       |         |
| Solubility(ies)                                          | : <table border="1"> <thead> <tr> <th>Media</th><th>Result</th></tr> </thead> <tbody> <tr> <td>water</td><td>Soluble</td></tr> </tbody> </table> | Media | Result | water | Soluble |
| Media                                                    | Result                                                                                                                                           |       |        |       |         |
| water                                                    | Soluble                                                                                                                                          |       |        |       |         |

|                                        |                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Miscible with water                    | : Yes.                                                                                                                                      |
| Partition coefficient: n-octanol/water | : Not applicable.                                                                                                                           |
| Auto-ignition temperature              | : Not applicable.                                                                                                                           |
| Decomposition temperature              | : Not available.                                                                                                                            |
| Viscosity                              | : Dynamic (room temperature): Not applicable.<br>Kinematic (room temperature): Not applicable.<br>Kinematic (40°C (104°F)): Not applicable. |
| Flow time (ISO 2431)                   | : Not available.                                                                                                                            |

### Particle characteristics

|                      |                  |
|----------------------|------------------|
| Median particle size | : Not available. |
|----------------------|------------------|

### Other information

|                                       |                              |
|---------------------------------------|------------------------------|
| Physical/chemical properties comments | : No additional information. |
|---------------------------------------|------------------------------|

## Section 10. Stability and reactivity

|                                    |                                                                                                                                                                           |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.                                                                              |
| Chemical stability                 | : The product is stable.                                                                                                                                                  |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous polymerisation will not occur. |
| Conditions to avoid                | : No specific data.                                                                                                                                                       |



## Section 10. Stability and reactivity

**Incompatible materials** : Reactive or incompatible with the following materials: oxidising materials.

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

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                                                                    | Result                                                                               |                                                           |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated | <b>Rat - Oral - LD50</b><br>5000 mg/kg                                               |                                                           |
|                                                                                            | <b>Rabbit - Dermal - LD50</b><br>20000 mg/kg                                         |                                                           |
| diamond                                                                                    | <b>Rat - Female - Oral - LD50</b><br>>2000 mg/kg                                     | OECD 423 [Acute Oral toxicity - Acute Toxic Class Method] |
|                                                                                            | <b>Rat - Male, Female - Dermal - LD50</b><br>>2000 mg/kg                             | OECD 402 [Acute Dermal Toxicity]                          |
|                                                                                            | <b>Rat - Male, Female - Inhalation - LC50 Dusts and mists</b><br>>5.2 mg/l [4 hours] | OECD 403 [Acute Inhalation Toxicity]                      |

**Conclusion/Summary[Product]** : Not available.

#### Skin corrosion/irritation

| Product/ingredient name                                                                    | Result                                                                                                                   |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated | <b>Rabbit - Skin - Mild irritant</b><br>Duration of treatment/exposure: 24 hours<br>Amount/concentration applied: 500 mg |
|                                                                                            | <b>Rabbit - Skin - Mild irritant</b><br>Amount/concentration applied: 500 mg                                             |
|                                                                                            | <b>Rabbit - Skin - Mild irritant</b><br>Duration of treatment/exposure: 24 hours<br>Amount/concentration applied: 500 mg |
|                                                                                            | <b>Rabbit - Skin - Mild irritant</b><br>Amount/concentration applied: 500 mg                                             |
|                                                                                            | <b>Rabbit - Skin - Mild irritant</b><br>Amount/concentration applied: 500 mg                                             |

**Conclusion/Summary[Product]** : Not available.

#### Serious eye damage/eye irritation

**Conclusion/Summary[Product]** : Not available.



## Section 11. Toxicological information

### Respiratory corrosion/irritation

Conclusion/Summary[Product] : Not available.

### Respiratory or skin sensitization

#### Skin

Conclusion/Summary[Product] : Not available.

#### Respiratory

Conclusion/Summary[Product] : Not available.

### Germ cell mutagenicity

Conclusion/Summary[Product] : Not available.

### Carcinogenicity

Conclusion/Summary[Product] : Not available.

### Reproductive toxicity

Conclusion/Summary[Product] : 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

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes mild skin irritation.

Ingestion : May be harmful if swallowed.

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



## Section 11. Toxicological information

|                     |                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------|
| <b>Eye contact</b>  | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
| <b>Inhalation</b>   | : No specific data.                                                                        |
| <b>Skin contact</b> | : Adverse symptoms may include the following:<br>irritation<br>redness                     |
| <b>Ingestion</b>    | : No specific data.                                                                        |

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

#### Short term exposure

|                                    |                  |
|------------------------------------|------------------|
| <b>Potential immediate effects</b> | : Not available. |
| <b>Potential delayed effects</b>   | : Not available. |

#### Long term exposure

|                                    |                  |
|------------------------------------|------------------|
| <b>Potential immediate effects</b> | : Not available. |
| <b>Potential delayed effects</b>   | : Not available. |

### Potential chronic health effects

**Conclusion/Summary[Product]** : Not available.

|                              |                                                     |
|------------------------------|-----------------------------------------------------|
| <b>General</b>               | : No known significant effects or critical hazards. |
| <b>Carcinogenicity</b>       | : No known significant effects or critical hazards. |
| <b>Mutagenicity</b>          | : No known significant effects or critical hazards. |
| <b>Reproductive toxicity</b> | : No known significant effects or critical hazards. |

### Numerical measures of toxicity

#### 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) |
|---------------------------------------------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| DP-Stick P                                                    | 4975.9       | 75882.4        | N/A                      | N/A                         | N/A                                 |
| Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- | 5000         | 20000          | N/A                      | N/A                         | N/A                                 |
| Ethane-1,2-diol, ethoxylated diamond                          | 2500         | 2500           | N/A                      | N/A                         | N/A                                 |



## Section 12. Ecological information

### Toxicity

| Product/ingredient name                                                                    | Result                                                                                         |                                                                        |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated | <b>Acute - LC50</b><br>Fish - <i>Pimephales promelas</i><br>>10000 mg/l [96 hours]             |                                                                        |
|                                                                                            | <b>Acute - EC50</b><br>Daphnia - <i>Daphnia magna</i><br>>10000 mg/l [48 hours]                |                                                                        |
| diamond                                                                                    | <b>Acute - LC50 - Fresh water</b><br>Fish - <i>Oncorhynchus mykiss</i><br>>100 mg/l [96 hours] | OECD 203 [Fish, Acute Toxicity Test]                                   |
|                                                                                            | <b>Acute - NOEC - Fresh water</b><br>Fish - <i>Oncorhynchus mykiss</i><br>100 mg/l [96 hours]  | OECD 203 [Fish, Acute Toxicity Test]                                   |
|                                                                                            | <b>Acute - EC50 - Fresh water</b><br>Daphnia - <i>Daphnia magna</i><br>>100 mg/l [48 hours]    | OECD 202 [Daphnia sp. Acute Immobilization Test and Reproduction Test] |

**Conclusion/Summary[Product]** : Not available.

### Persistence and degradability

| Product/ingredient name                                                                    | Result                  |
|--------------------------------------------------------------------------------------------|-------------------------|
| Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated | 90% [28 days] - Readily |

**Conclusion/Summary[Product]** : Not available.

| Product/ingredient name                                                                    | Aquatic half-life | Photolysis | Biodegradability |
|--------------------------------------------------------------------------------------------|-------------------|------------|------------------|
| Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated | -                 | -          | Readily          |

### Bioaccumulative potential

| Product/ingredient name                                                                    | LogP <sub>ow</sub> | BCF | Potential |
|--------------------------------------------------------------------------------------------|--------------------|-----|-----------|
| Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated | -                  | 3.2 | Low       |

### Mobility in soil

**Soil/water partition coefficient** : Not available.

### Other adverse effects

No known significant effects or critical hazards.



## Section 13. Disposal considerations

**Disposal methods** : 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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

|                            | UN             | IMDG           | IATA           |
|----------------------------|----------------|----------------|----------------|
| UN number                  | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name    | -              | -              | -              |
| Transport hazard class(es) | -              | -              | -              |
| Packing group              | -              | -              | -              |
| Environmental hazards      | No.            | No.            | No.            |

**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.

**Transport in bulk according to IMO instruments** : Not available.

## Section 15. Regulatory information

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)



## Section 15. Regulatory information

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

## Section 16. Other information

### History

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Date of issue/Date of revision</b> | : 2026/03/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Date of previous issue</b>         | : 2025/01/13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Version</b>                        | : 1.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Prepared by</b>                    | : Sphera Solutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Key to abbreviations</b>           | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = Intermediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>IMO = International Maritime Organization<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>N/A = Not available<br>SGG = Segregation Group<br>UN = United Nations |

### Procedure used to derive the classification

| Classification                     | Justification      |
|------------------------------------|--------------------|
| ACUTE TOXICITY (oral) - Category 5 | Calculation method |
| SKIN IRRITATION - Category 3       | Calculation method |

**References** : GHS - Globally Harmonised System of Classification and Labelling of Chemicals - Version : 9.  
International transport regulations

🔹 Indicates information that has changed from previously issued version.

### Notice to reader

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.

