

This safety data sheet was created pursuant to the requirements of:  
UK REACH Regulations (SI 2019/758 as amended)

**Supersedes date** 23-Dec-2024

**Revision date** 28-Dec-2024

**Revision Number** 4

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

### 1.1. Product identifier

**Product Code(s)** 10796  
**Safety data sheet number** 10796  
**Product Name** TRITON CF 32 DEFOAMER  
**Pure substance/mixture** Mixture

Contains ALKYLAMINOPOLYETHOXYPOLYPROPOXYPROPANOL

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

**Recommended use** Multi-purpose surfactant.  
Defoamer  
Industrial use  
Professional use

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

#### **Supplier**

Univar Solutions UK Ltd  
Aquarius House  
6 Mid Point Business Park  
Bradford  
GBR

For further information, please contact

**E-mail address** SDS.EMEA@univarsolutions.com  
**Non-Emergency Telephone Number** +44 1274 267300 / +44 1274 267306

### 1.4. Emergency telephone number

**Emergency Telephone** SGS - +32 (0)3 575 55 55 (24h)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

|                              |                     |
|------------------------------|---------------------|
| <b>Acute toxicity - Oral</b> | Category 4 - (H302) |
|------------------------------|---------------------|

### 2.2. Label elements

Contains ALKYLAMINOPOLYETHOXPOLYPROPOXYPROPANOL

**Signal word**

Warning

**Hazard statements**

H302 - Harmful if swallowed

**Precautionary statements**

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

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

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

P330 - Rinse mouth

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

**Unknown aquatic toxicity**

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

**Additional information**

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

**2.3. Other hazards**

In case of spills, beware of slippery floors and surfaces.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures**

| Chemical name                                        | Weight-% | EC No (EU Index No) | UK REACH registration number | Classification according to GB CLP (SI 2020/1567 as amended) | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|------------------------------------------------------|----------|---------------------|------------------------------|--------------------------------------------------------------|------------------------------------|----------|----------------------|
| ALKYLAMINOPOLYETHOXPOLYPROPOXYPROPANOL<br>68603-58-7 | 95%      | -                   | -                            | Acute Tox. 4 (H302)                                          | -                                  | -        | -                    |
| WATER<br>7732-18-5                                   | 0 - 10%  | 231-791-2           | -                            | Not classified                                               | -                                  | -        | -                    |

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

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (UK REACH Article 59)

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

|                       |                                                                                                                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b> | First aid personnel should wear appropriate protective equipment during any rescue. Use personal protection recommended in Section 8.                                                                 |
| <b>Inhalation</b>     | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.                                 |
| <b>Eye contact</b>    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur. |
| <b>Skin contact</b>   | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if symptoms occur.                                                   |
| <b>Ingestion</b>      | Rinse mouth thoroughly with water. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.                                                                            |

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

**Eyes** May cause temporary eye irritation.

**Ingestion** Harmful if swallowed

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

**Note to doctors** Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

|                                       |                                                                                                         |
|---------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>   | To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam. |
| <b>Large Fire</b>                     | CAUTION: Use of water spray when fighting fire may be inefficient.                                      |
| <b>Unsuitable extinguishing media</b> | Do not scatter spilled material with high pressure water streams.                                       |

**5.2. Special hazards arising from the substance or mixture**

|                                                   |                                                                                                                                                   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific hazards arising from the chemical</b> | When heated and in case of fire, toxic vapours/gases may be formed. This material will not burn until the water has evaporated. Residue can burn. |
| <b>Hazardous combustion products</b>              | Carbon oxides. Nitrogen oxides (NOx).                                                                                                             |

**5.3. Advice for firefighters**

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

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

|                                 |                                                                                                                                                                                                                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>     | Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. In case of spills, beware of slippery floors and surfaces. |
| <b>For emergency responders</b> | Use personal protection recommended in Section 8.                                                                                                                                                                                                                                    |

**6.2. Environmental precautions**

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information. |
|----------------------------------|-------------------------------------------------------|

**6.3. Methods and material for containment and cleaning up**

|                                        |                                                                                                                                                                                              |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods for containment</b>         | Prevent further leakage or spillage if safe to do so.                                                                                                                                        |
| <b>Methods for cleaning up</b>         | Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Do not use water to clean up. Pick up and transfer to properly labelled containers. |
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations.                                                                                                         |

**6.4. Reference to other sections**

|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| <b>Reference to other sections</b> | See section 8 for more information. See section 13 for more information. |
|------------------------------------|--------------------------------------------------------------------------|

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

|                                       |                                                                                                                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Advice on safe handling</b>        | Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. Do not swallow. Wash skin thoroughly after handling. |
| <b>General hygiene considerations</b> | Wash hands before breaks and immediately after handling the product.                                                                                                                         |

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

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| <b>Storage Conditions</b> | Keep container tightly closed in a dry and well-ventilated place. |
|---------------------------|-------------------------------------------------------------------|

**7.3. Specific end use(s)**

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Specific use(s)</b> | See section 1 for more information. |
|------------------------|-------------------------------------|

|                                      |                                                                  |
|--------------------------------------|------------------------------------------------------------------|
| <b>Risk Management Methods (RMM)</b> | The information required is contained in this Safety Data Sheet. |
|--------------------------------------|------------------------------------------------------------------|

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

|                        |                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Exposure Limits</b> | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL) - Workers** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

**Engineering controls** No information available.

### Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles). Use eye protection according to EN 166.

**Hand protection** Wear suitable gloves. Gloves must conform to standard EN 374.

| Gloves              |                                                |                 |                    |
|---------------------|------------------------------------------------|-----------------|--------------------|
| Duration of contact | PPE - Glove material                           | Glove thickness | Break through time |
|                     | Polyethylene (PE)                              | > 0.35 mm       | > 120 minutes      |
|                     | Ethyl vinyl alcohol laminate ("EVAL")          | > 0.35 mm       | > 120 minutes      |
|                     | Chlorinated polyethylene (CPE)                 | > 0.35 mm       | > 120 minutes      |
|                     | Nitrile/butadiene rubber ("nitrile" or "NBR"). | > 0.35 mm       | > 120 minutes      |
|                     | Polyvinyl alcohol (PVA)                        | > 0.35 mm       | > 120 minutes      |

**Skin and body protection** Wear appropriate clothing to prevent reasonably probable skin contact.

**Respiratory protection** Use appropriate respiratory protection.  
Organic gases and vapours filter conforming to EN 14387. Type A.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Physical state** Liquid  
**Appearance** Liquid  
**Colour** yellow  
**Odour** Mild.  
**Odour threshold** No information available

| Property                                | Values |
|-----------------------------------------|--------|
| Melting point / freezing point          | -9 °C  |
| Initial boiling point and boiling range | 112 °C |
| Flammability                            |        |
| Flammability Limit in Air               |        |
| Upper flammability or explosive limits  |        |
| Lower flammability or explosive         |        |

**Remarks • Method**  
 Calculation method.  
 @ 760 mm Hg. Calculation method.  
 No information available.  
 No information available.

|                            |                          |                              |
|----------------------------|--------------------------|------------------------------|
| limits                     |                          |                              |
| Flash point                |                          | No information available.    |
| Autoignition temperature   |                          | No information available.    |
| Decomposition temperature  |                          | No information available.    |
| pH                         | 10.6                     | Calculation method.          |
| pH (as aqueous solution)   |                          | No information available.    |
| Kinematic viscosity        | 534. cSt                 | @ 25 °C. Calculation method. |
| Dynamic viscosity          |                          | No information available.    |
| Water solubility           | Completely soluble       |                              |
| Solubility(ies)            |                          | No information available.    |
| Partition coefficient      |                          | Not determined.              |
| Vapour pressure            | 15.22 mmHg               | @ 20 °C. Calculation method. |
| Relative density           | 1.04                     | Calculation method.          |
| Bulk density               |                          | No information available     |
| Liquid Density             | No information available | No information available     |
| Relative vapour density    | 0.62                     | Calculation method.          |
| Particle characteristics   |                          | Not applicable. liquid.      |
| Particle Size              | No information available |                              |
| Particle Size Distribution | No information available |                              |
| Explosive properties       | No information available |                              |
| Oxidising properties       | No information available |                              |

**9.2. Other information** 0.70 n-butyl acetate=1 Calculation method

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity No information available.

### 10.2. Chemical stability

Stability Stable under normal conditions.

#### Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerisation Hazardous polymerisation does not occur.

### 10.4. Conditions to avoid

Conditions to avoid Product may decompose at elevated temperatures.

### 10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NO<sub>x</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Information on likely routes of exposure****Product Information**

|                     |                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Inhalation of vapours in high concentration may cause irritation of respiratory system. |
| <b>Eye contact</b>  | May cause temporary eye irritation. Corneal injury is unlikely.                         |
| <b>Skin contact</b> | Brief contact may cause slight skin irritation with local redness.                      |
| <b>Ingestion</b>    | Harmful if swallowed.                                                                   |

**Symptoms related to the physical, chemical and toxicological characteristics****Symptoms****Acute toxicity****Numerical measures of toxicity**

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

|                    |                           |
|--------------------|---------------------------|
| <b>Oral LD50</b>   | Oral LD50 > 1270 mg/kg    |
| <b>Dermal LD50</b> | Dermal LD50 > 16000 mg/kg |

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

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| <b>Skin corrosion/irritation</b> | Brief contact may cause slight skin irritation with local redness. |
|----------------------------------|--------------------------------------------------------------------|

**ALKYLAMINOPOLYETHOXYPOLYPROPOXYPROPANOL (68603-58-7)**

| Method | Species | Exposure route | Effective dose | Exposure time | Results                                                            |
|--------|---------|----------------|----------------|---------------|--------------------------------------------------------------------|
|        |         |                |                |               | Brief contact may cause slight skin irritation with local redness. |

|                                          |                                                                 |
|------------------------------------------|-----------------------------------------------------------------|
| <b>Serious eye damage/eye irritation</b> | May cause temporary eye irritation. Corneal injury is unlikely. |
|------------------------------------------|-----------------------------------------------------------------|

**ALKYLAMINOPOLYETHOXYPOLYPROPOXYPROPANOL (68603-58-7)**

| Method | Species | Exposure route | Effective dose | Exposure time | Results                                                       |
|--------|---------|----------------|----------------|---------------|---------------------------------------------------------------|
|        |         |                |                |               | May cause temporary eye irritation Corneal injury is unlikely |

|                                          |                           |
|------------------------------------------|---------------------------|
| <b>Respiratory or skin sensitisation</b> | No information available. |
|------------------------------------------|---------------------------|

|                               |                           |
|-------------------------------|---------------------------|
| <b>Germ cell mutagenicity</b> | No information available. |
|-------------------------------|---------------------------|

|                        |                           |
|------------------------|---------------------------|
| <b>Carcinogenicity</b> | No information available. |
|------------------------|---------------------------|

|                              |                           |
|------------------------------|---------------------------|
| <b>Reproductive toxicity</b> | No information available. |
|------------------------------|---------------------------|

**STOT - single exposure** Evaluation of available data suggests that this material is not an STOT-SE toxicant.

ALKYLAMINOPOLYETHOXYPOLYPROPOXYPROPANOL (68603-58-7)

| Method | Species | Exposure route | Effective dose | Exposure time | Results                                                                             |
|--------|---------|----------------|----------------|---------------|-------------------------------------------------------------------------------------|
|        |         |                |                |               | Evaluation of available data suggests that this material is not an STOT-SE toxicant |

**STOT - repeated exposure** No information available.

**Aspiration hazard** Based on available data the classification criteria are not met.

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** Not considered to be harmful to aquatic life.

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

| Method                                                                   | Species             | Endpoint type | Effective dose  | Exposure time | Results |
|--------------------------------------------------------------------------|---------------------|---------------|-----------------|---------------|---------|
| OECD Test No. 203: Fish, Acute Toxicity Test or Equivalent.              | Pimephales promelas | LC50          | 412 mg/L        | 96 hours      |         |
| OECD Test No. 202: Daphnia sp., Acute Immobilisation Test or Equivalent. | Daphnia magna       | EC50          | 660 - 1056 mg/L | 48 hours      |         |
|                                                                          | Bacteria toxicity   | IC50          | > 5000 mg/L     | 16 hours      |         |

### 12.2. Persistence and degradability

**Persistence and degradability** Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

| Method                                                                                             | Exposure time | Value                | Results                   |
|----------------------------------------------------------------------------------------------------|---------------|----------------------|---------------------------|
| OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F) or Equivalent. | 28 days       | Biodegradation < 60% | Not readily biodegradable |

### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

### 12.4. Mobility in soil

Mobility in soil Completely soluble.

#### 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

#### 12.6. Other adverse effects

No information available.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

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

Contaminated packaging Do not reuse empty containers.

### **SECTION 14: Transport information**

#### IATA

14.1 UN number or ID number Not regulated

14.2

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards No

14.6 Special precautions for user  
Special Provisions None

#### IMDG

14.1 UN number or ID number Not regulated

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards No

14.6 Special precautions for user  
Special Provisions None

14.7 Maritime transport in bulk according to IMO instruments No information available

#### RID

14.1 UN number or ID number Not regulated

14.2 UN proper shipping name Not regulated

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards No

14.6 Special precautions for user  
Special Provisions None

#### ADR

14.1 UN number or ID number Not regulated

14.2 UN proper shipping name Not regulated

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards No

14.6 Special precautions for user

**Special Provisions**

None

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Authorisations and/or restrictions on use:**

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).

This product does not contain substances subject to authorisation (UK REACH - Annex XIV).

**Product restricted per REACH Annex XVII:** 3. 75**Persistent Organic Pollutants**

Not applicable

**Export Notification requirements**

Not applicable

**Named dangerous substances per COMAH Regulations 2015 (as amended)**

Not applicable

**The Ozone-Depleting Substances Regulations 2015**

Not applicable

**The Biocidal Products Regulations 2001 (as amended)**

Not applicable

**The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)**

Not applicable

**Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)**

Not applicable

**International Inventories****TSCA**

Contact supplier for inventory compliance status

**DSL/NDSL**

Contact supplier for inventory compliance status

**EINECS/ELINCS**

Contact supplier for inventory compliance status

**ENCS**

Contact supplier for inventory compliance status

**IECSC**

Contact supplier for inventory compliance status

**KECI**

Contact supplier for inventory compliance status

**PICCS**

Contact supplier for inventory compliance status

**AIIC**

Contact supplier for inventory compliance status

**NZIoC**

Contact supplier for inventory compliance status

**Legend:****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AIIC** - Australian Inventory of Industrial Chemicals**NZIoC** - New Zealand Inventory of Chemicals**15.2. Chemical safety assessment**

**Chemical Safety Report**

No Chemical Safety Assessment has been carried out for this substance/mixture

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed

**Legend**

SVHC: Substances of Very High Concern for Authorisation:

**Legend Section 8: Exposure controls/personal protection**

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

Revision Note **SDS sections updated 1 4 6 16**

**Classification procedure**

|                                                                 |                    |
|-----------------------------------------------------------------|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity                                             | Calculation method |
| Acute dermal toxicity                                           | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitisation                                       | Calculation method |
| Skin sensitisation                                              | Calculation method |
| Mutagenicity                                                    | Calculation method |
| Carcinogenicity                                                 | Calculation method |
| Reproductive toxicity                                           | Calculation method |
| STOT - single exposure                                          | Calculation method |
| STOT - repeated exposure                                        | Calculation method |
| Acute aquatic toxicity                                          | Calculation method |
| Chronic aquatic toxicity                                        | Calculation method |
| Aspiration hazard                                               | Calculation method |
| Ozone                                                           | Calculation method |

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

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
 European Chemicals Agency (ECHA) (ECHA\_API)  
 Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 National Institute of Technology and Evaluation (NITE)  
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 U.S. National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Prepared By** Lisa Bland  
**Supersedes date** 23-Dec-2024  
**Revision date** 28-Dec-2024

**This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)  
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**