# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and
Regulation (EC) No. 1272/2008

**Issuing Date** 06-Sep-2024 **Revision Date** 23-Sep-2024 **Revision Number** 2

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

### 1.1. Product identifier

**Product Code** 56-81-5 GLYCEROL SYNTHETIC

**Product Name** Glycerol Synthetic

### Other means of identification

*A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.*

**EC No (EU Index No)** 200-289-5

**CAS Number** 56-81-5

**Chemical Name** Glycerol

**Synonyms** 1,2,3-Propanetriol, Glycerin 85% synthetic

**Pure substance/mixture** Substance

**Formula** C3H8O3

**Molecular Weight** 92.09 gm/mol

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

**Recommended Use** Laboratory chemicals, Pharma Excipients, Biopharma ingredient

**Uses advised against** No information available

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

**Manufacturer**
Aceto Pharma (India) Private Limited 184-186/P, Vill: Chacharwadi Vasna, Sarkhej-Bavla Highway, Tal-Sanand, Dist-Ahmedabad-382110, Gujarat, India. Web: www.actylislab.comE-Mail Address: safety.amd@actylis.com; qa.amd@actylis.com

### 1.4. Emergency telephone number

Emergency telephone India: 02717 616 717

| **Emergency telephone - §45 - (EC)1272/2008** | |
|---|---|
| **Europe** | **112** |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

*Classification according to Regulation (EC) No. 1272/2008 [CLP]*

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**2.2. Label elements**

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**Hazard statements**

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

**2.3. Other hazards**

No information available.

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.

| Chemical name | EU - REACH (1907/2006) - Article 59(1) - Candidate List of Substances of Very High Concern (SVHC) for Authorisation | EU - REACH (1907/2006) - Endocrine Disruptor Assessment List of Substances |
|---|---|---|
| Water | - | - |
| Glycerol | - | - |

| Chemical name | Endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605(4) |
|---|---|
| Water | - |
| Glycerol | - |

## SECTION 3: Composition/information on ingredients

**3.1 Substances**

| Chemical name | Weight-% | REACH registration number | EC No (EU Index No) | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|---|---|---|---|---|---|---|---|
| Water<br>7732-18-5 | 12-15 | No data available | 231-791-2 | No data available | - | - | - |
| Glycerol<br>56-81-5 | 83-89 | No data available | 200-289-5 | No data available | - | - | - |

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

*Acute Toxicity Estimate*

No information available

| Chemical name | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapor - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|---|---|---|---|---|---|
| Water<br>7732-18-5 | 89838.9 | No data available | No data available | No data available | No data available |
| Glycerol<br>56-81-5 | 12600 | 10000 | 2.75 | No data available | No data available |

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** Remove to fresh air.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact** Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

**Ingestion** Rinse mouth.

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

**Symptoms** No information available.

**Effects of Exposure** See Section 11 for additional Toxicological Information.

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

**Note to physicians** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

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

**Specific hazards arising from the chemical** No information available.

### 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

**Personal precautions** Ensure adequate ventilation.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

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

**Risk Management Measures** The information required is contained in this Safety Data Sheet.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

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

| Chemical name | European Union | Austria | Belgium | Bulgaria | Croatia |
|---|---|---|---|---|---|
| Water<br>7732-18-5 | - | - | - | - | - |
| Glycerol<br>56-81-5 | - | - | TWA: 10 mg/m³ | - | TWA: 10 mg/m³ |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia | Finland |
| Water<br>7732-18-5 | - | - | - | - | - |
| Glycerol<br>56-81-5 | - | TWA: 10 mg/m³<br>Ceiling: 15 mg/m³ | - | TWA: 10 mg/m³ | TWA: 20 mg/m³ |
| Chemical name | France | Germany TRGS | Germany DFG | Greece | Hungary |
| Water<br>7732-18-5 | - | - | - | - | - |
| Glycerol<br>56-81-5 | TWA: 10 mg/m³ | TWA: 200 mg/m³ | TWA: 200 mg/m³<br>Peak: 400 mg/m³ | TWA: 10 mg/m³ | - |
| Chemical name | Ireland | Italy MDLPS | Italy AIDII | Latvia | Lithuania |
| Water | - | - | - | - | - |

| | | | | | |
|---|---|---|---|---|---|
| 7732-18-5 | | | | | |
| Glycerol<br>56-81-5 | - | - | - | - | - |
| Chemical name | Luxembourg | Malta | Netherlands | Norway | Poland |
| Water<br>7732-18-5 | - | - | - | - | - |
| Glycerol<br>56-81-5 | - | - | - | - | TWA: 10 mg/m³ |
| Chemical name | Portugal | Romania | Slovakia | Slovenia | Spain |
| Water<br>7732-18-5 | - | - | - | - | - |
| Glycerol<br>56-81-5 | TWA: 10 mg/m³ | - | TWA: 11 mg/m³ | TWA: 200 mg/m³<br>STEL: 400 mg/m³ | TWA: 10 mg/m³ |

| Chemical name | Sweden | Switzerland | United Kingdom |
|---|---|---|---|
| Water<br>7732-18-5 | - | - | - |
| Glycerol<br>56-81-5 | - | TWA: 50 mg/m³<br>STEL: 100 mg/m³ | TWA: 10 mg/m³<br>STEL: 30 mg/m³ |

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

| Chemical name | European Union | Austria | Bulgaria | Croatia | Czech Republic |
|---|---|---|---|---|---|
| Water<br>7732-18-5 | - | - | - | - | - |
| Glycerol<br>56-81-5 | - | - | - | - | - |
| Chemical name | Denmark | Finland | France | Germany DFG | Germany TRGS |
| Water<br>7732-18-5 | - | - | - | - | - |
| Glycerol<br>56-81-5 | - | - | - | - | - |

| Chemical name | Hungary | Ireland | Italy MDLPS | Italy AIDII |
|---|---|---|---|---|
| Water<br>7732-18-5 | - | - | - | - |
| Glycerol<br>56-81-5 | - | - | - | - |
| Chemical name | Latvia | Luxembourg | Romania | Slovakia |
| Water<br>7732-18-5 | - | - | - | - |
| Glycerol<br>56-81-5 | - | - | - | - |
| Chemical name | Slovenia | Spain | Switzerland | United Kingdom |
| Water<br>7732-18-5 | - | - | - | - |
| Glycerol<br>56-81-5 | - | - | - | - |

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

| Chemical name | Oral | Dermal | Inhalation |
|---|---|---|---|
| Water<br>7732-18-5 | - | - | - |
| Glycerol<br>56-81-5 | - | - | 56 mg/m³ [5] [6] |

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

| Chemical name | Oral | Dermal | Inhalation |
|---|---|---|---|
| Water<br>7732-18-5 | - | - | - |
| Glycerol<br>56-81-5 | 229 mg/kg bw/day [4] [6] | - | 33 mg/m³ [5] [6] |

| Chemical name | Oral | Dermal | Inhalation |
|---|---|---|---|
| Water - 7732-18-5 | - | - | - |
| Glycerol - 56-81-5 | - | - | - |

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

| Chemical name | Freshwater | Freshwater (intermittent release) | Marine water | Marine water (intermittent release) | Air |
|---|---|---|---|---|---|
| Water<br>7732-18-5 | - | - | - | - | - |
| Glycerol<br>56-81-5 | 0.885 mg/L | 8.85 mg/L | 0.0885 mg/L | - | - |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|---|---|---|---|---|---|
| Water<br>7732-18-5 | - | - | - | - | - |
| Glycerol<br>56-81-5 | 3.3 mg/kg sediment dw | 0.33 mg/kg sediment dw | 1000 mg/L | 0.141 mg/kg soil dw | - |

**8.2. Exposure controls**

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Eye/face protection** No special protective equipment required.

**Skin and body protection** Apron. Antistatic boots.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | Liquid |
| **Color** | Colorless |
| **Odor** | No information available. |
| **Odor Threshold** | No information available |

| Property | Values | Remarks • Method |
|---|---|---|
| **Melting point / Freezing point** | 18.2 °C | None known |
| **Boiling point / boiling range** | 290 °C | None known |
| **Flammability (solid, gas)** | No data available | None known |
| **Flammability Limit in Air** | | None known |
| **Upper flammability limit** | No data available | |
| **Lower flammability limit** | No data available | |
| **Flash Point** | 199 °C | None known |
| **Autoignition temperature °C** | 370 °C | None known |
| **Decomposition temperature** | | None known |
| **pH** | 5.5 - 8.0 | None known |
| **pH (as aqueous solution)** | No data available | None known |
| **Kinematic Viscosity** | No data available | None known |
| **Dynamic Viscosity** | No Data Available | None known |
| **Water solubility** | Miscible in water 1000 g/L @ 25 °C | None known |
| **Solubility in other solvents** | No information available | None known |
| **Partition coefficient: n-octanol/water** | -1.75 @ 25 °C | None known |
| **Vapor Pressure** | 26 Pa @ 100 °C | None known |
| **Relative density** | 1.261 g/cm³ at 20 °C | None known |
| **Bulk density** | No data available | |
| **Liquid Density** | No data available | |
| **Vapor Density** | No data available | None known |
| **Particle characteristics** | | |
| **Particle Size** | No information available | |
| **Particle Size Distribution** | No information available | |

**9.2. Other information**

**Molecular Weight** 92.09 gm/mol

*9.2.1. Information with regard to physical hazard classes*
Not applicable

*9.2.2. Other safety characteristics*
No information available

## 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.

**10.4. Conditions to avoid**

**Conditions to avoid** None known based on information supplied.

**10.5. Incompatible materials**

**Incompatible materials** None known based on information supplied.

**10.6. Hazardous decomposition products**

**Hazardous Decomposition Products** None known based on information supplied.

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Information on likely routes of exposure**

**Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

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

**Symptoms** No information available.

**Acute toxicity**

**Numerical measures of toxicity**
No information available

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Water | > 90 mL/kg ( Rat ) | - | - |
| Glycerol | >20,000 mg/kg ( Rat ) | >10,000 mg/kg ( Rabbit ) | > 2.75 mg/L ( Rat ) 4 h |

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

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

| Chemical name | European Union |
|---|---|

| | |
|---|---|
| Water | - |
| Glycerol | - |

**Carcinogenicity** No information available.

| Chemical name | European Union |
|---|---|
| Water | - |
| Glycerol | - |

**Reproductive toxicity** No information available.

| Chemical name | European Union |
|---|---|
| Water | - |
| Glycerol | - |

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

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

**Aspiration hazard** No information available.

**11.2. Information on other hazards**

**11.2.1. Endocrine disrupting properties**

**Endocrine disrupting properties** No information available.

**11.2.2. Other information**

**Other Adverse Effects** No information available.

## SECTION 12: Ecological information

**12.1. Toxicity**

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|---|---|---|
| Water | - | - | - | - |
| Glycerol | - | 51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static; LC50 > 54000 mg/l, 96 hours | - | - |

**12.2. Persistence and degradability**

**Persistence/Degradability** No information available.

**12.3. Bioaccumulative potential**

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

| Chemical name | Partition coefficient |
|---|---|
| Water | - |
| Glycerol | -1.75 |

**12.4. Mobility in soil**

**Mobility in Soil** The product is water soluble, and may spread in water systems.

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

**PBT and vPvB assessment** UN.

| Chemical name | PBT and vPvB assessment |
|---|---|
| Water | Not determined |
| Glycerol | The substance is not PBT / vPvB |

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** No information available.

**12.7. 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. UN proper shipping name** Not regulated
**14.3. Transport hazard class(es)** Not regulated
**14.4. Packing group** Not regulated
**14.5. Environmental hazard** Not applicable
**14.6. Special precautions for user Special Provisions** None

**IMDG**

**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 hazard** Not applicable
**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-No** 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 hazard** Not applicable
**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 hazard** Not applicable
**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**

| Chemical name | French RG number |
|---|---|
| Water - 7732-18-5 | - |
| Glycerol - 56-81-5 | - |

| Chemical name | Netherlands - List of Carcinogens | Netherlands - List of Mutagens | Netherlands - List of Reproductive Toxins |
|---|---|---|---|
| Water | - | - | - |
| Glycerol | - | - | - |

**European Union**

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.

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|---|---|---|
| Water - 7732-18-5 | - | - |
| Glycerol - 56-81-5 | - | - |

**Persistent Organic Pollutants**

Not applicable

| Chemical name | Persistent Organic Pollutants per (EC) 2019/1021 - Annex Number |
|---|---|
| Water - 7732-18-5 | - |
| Glycerol - 56-81-5 | - |

| Chemical name | European Export/Import Restrictions per (EC) 649/2012 - Annex Number |
|---|---|
| Water - 7732-18-5 | - |

| | |
|---|---|
| Glycerol - 56-81-5 | - |

| Chemical name | Lower-tier requirements (tons) | Upper-tier requirements (tons) |
|---|---|---|
| Water - 7732-18-5 | - | - |
| Glycerol - 56-81-5 | - | - |

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

| Chemical name | Ozone depletion potential (ODP) | Ozone-depleting substances (ODS) regulation (EC) 1005/2009 |
|---|---|---|
| Water - 7732-18-5 | - | - |
| Glycerol - 56-81-5 | - | - |

| Chemical name | EU - Plant Protection Products (1107/2009/EC) |
|---|---|
| Water - 7732-18-5 | - |
| Glycerol - 56-81-5 | - |

| Chemical name | Biocidal Products Regulation (EU) No 528/2012 (BPR) |
|---|---|
| Water - 7732-18-5 | - |
| Glycerol - 56-81-5 | - |

| Chemical name | EU - Water Framework Directive (2000/60/EC) |
|---|---|
| Water - 7732-18-5 | - |
| Glycerol - 56-81-5 | - |

| Chemical name | EU - Environmental Quality Standards (2008/105/EC) |
|---|---|
| Water - 7732-18-5 | - |
| Glycerol - 56-81-5 | - |

**International Inventories**

| | |
|---|---|
| **TSCA** | Complies |
| **DSL/NDSL** | Complies |
| **EINECS/ELINCS** | Complies |
| **Japan (ENCS)** | Complies |
| **Inventory of Existing Chemical Substances in China** | Complies |
| **Korea (KECL)** | Complies |
| **Philippines (PICCS)** | Complies |
| **AIIC** | Complies |
| **NZIoC** | Complies |

**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 Chemicals Inventory
**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 information available

## SECTION 16: Other information

**Key or legend to abbreviations and acronyms**

**Legend**
SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

**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)
Australia 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)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

**Issuing Date** 06-Sep-2024

**Revision Date** 23-Sep-2024

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