

according to Regulation (EC) No. 1907/2006

Creation Date 19-Oct-2009 Revision Date 12-Feb-2024 Revision Number 3

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

## 1.1. Product identifier

Product Description: Polyethylene glycol 1,500

 Cat No.:
 A16241

 Synonyms
 PEG

 CAS No
 25322-68-3

REACH registration number

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

Recommended Use Laboratory chemicals.
Uses advised against No Information available

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

Company

Thermo Fisher (Kandel) GmbH

Erlenbachweg 2, 76870 Kandel, Germany

Tel: +49 (0) 721 84007 280 Fax: +49 (0) 721 84007 300

Swiss distributor - Fisher Scientific AG Neuhofstrasse 11, CH 4153 Reinach

Tel: +41 (0) 56 618 41 11

https://www.fishersci.ch/ch/en/customer-help-

support/forms/email-us.html

**E-mail address** begel.sdsdesk@thermofisher.com

1.4. Emergency telephone number

For information **US** call: 001-800-227-6701 / **Europe** call: +32 14 57 52 11 Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99 **CHEMTREC** Tel. No.**US**:001-800-424-9300 / **Europe**:001-703-527-3887

customers in Switzerland:

Tox Info Suisse Emergency Number: 145 (24hr)

Tox Info Suisse: +41-44 251 51 51 (Emergency number from abroad)

Chemtrec (24h) Toll-Free: 0800 564 402 Chemtrec Local: +41-43 508 20 11 (Zurich)

## **SECTION 2: HAZARDS IDENTIFICATION**

#### 2.1. Classification of the substance or mixture

CLP Classification - Regulation (EC) No 1272/2008

ALFAAA16241

Polyethylene glycol 1,500 Revision Date 12-Feb-2024

#### **Physical hazards**

Based on available data, the classification criteria are not met

#### **Health hazards**

Based on available data, the classification criteria are not met

#### **Environmental hazards**

Based on available data, the classification criteria are not met

Full text of Hazard Statements: see section 16

#### 2.2. Label elements

None required

## 2.3. Other hazards

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB)

This product does not contain any known or suspected endocrine disruptors

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.1. Substances

| Component           | CAS No     | EC No | Weight % | CLP Classification - Regulation (EC) No<br>1272/2008 |
|---------------------|------------|-------|----------|--|
| Polyethylene glycol | 25322-68-3 |       | >95      | -  |

| REACH registration number | - |
|---------------------------|---|
|                           |   |

Full text of Hazard Statements: see section 16

## **SECTION 4: FIRST AID MEASURES**

## 4.1. Description of first aid measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get

medical attention.

**Skin Contact** Wash off immediately with plenty of water for at least 15 minutes. Get medical attention

immediately if symptoms occur.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Get medical attention if

symptoms occur.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Polyethylene glycol 1,500 Revision Date 12-Feb-2024

**Self-Protection of the First Aider** No special precautions required.

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

None reasonably foreseeable.

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

Notes to Physician Treat symptomatically.

## **SECTION 5: FIREFIGHTING MEASURES**

#### 5.1. Extinguishing media

## **Suitable Extinguishing Media**

Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

#### Extinguishing media which must not be used for safety reasons

No information available.

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

Thermal decomposition can lead to release of irritating gases and vapors.

#### **Hazardous Combustion Products**

Carbon monoxide (CO), Carbon dioxide (CO2).

#### 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation.

#### 6.2. Environmental precautions

Should not be released into the environment.

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

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

## 6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

## **SECTION 7: HANDLING AND STORAGE**

#### 7.1. Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do

#### Polyethylene glycol 1,500

not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

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

Keep containers tightly closed in a dry, cool and well-ventilated place.

Technical Rules for Hazardous Substances (TRGS) 510

Storage Class (LGK) (Germany)

Storage Class/LGK 11

Switzerland - Storage of hazardous substances Storage class - SC 11/13

https://www.kvu.ch/de/themen/stoffe-und-produkte https://www.kvu.ch/fr/themes/substances-et-produits https://www.kvu.ch/it/temi/sostanze-e-prodotti

Revision Date 12-Feb-2024

## 7.3. Specific end use(s)

Use in laboratories

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

## 8.1. Control parameters

#### **Exposure limits**

List source(s): **CH** - The Government of Switzerland has set a directive on limit values for working materials (Grenzwerte am Arbeitsplatz) which is based on the Swiss Federal Regulation "Verordnung über die Verhütung von Unfällen und Berufskrankheiten". This directive is administered, periodically revised and enforced by SUVA (Swiss National Accident Insurance Fund).

| Component           | Italy | Germany                          | Portugal | The Netherlands           | Finland |
|---------------------|-------|----------------------------------|----------|---------------------------|---------|
| Polyethylene glycol |       | TWA: 200 mg/m <sup>3</sup> (8    |          | 1000mg/m <sup>3</sup> MAC |         |
|                     |       | Stunden). AGW -                  |          |                           |         |
|                     |       | exposure factor 2                |          |                           |         |
|                     |       | TWA: 250 mg/m <sup>3</sup> (8    |          |                           |         |
|                     |       | Stunden). MAK average            |          |                           |         |
|                     |       | molecular weight                 |          |                           |         |
|                     |       | 200-600;because                  |          |                           |         |
|                     |       | formation of a mist is           |          |                           |         |
|                     |       | possible, exposure               |          |                           |         |
|                     |       | should be minimized for          |          |                           |         |
|                     |       | reasons of occupational          |          |                           |         |
|                     |       | safety and hygiene               |          |                           |         |
|                     |       | Höhepunkt: 500 mg/m <sup>3</sup> |          |                           |         |

| Component           | Austria                         | Denmark                         | Switzerland                  | Poland | Norway |
|---------------------|---------------------------------|---------------------------------|------------------------------|--------|--------|
| Polyethylene glycol | MAK-KZGW: 4000                  | TWA: 1000 mg/m <sup>3</sup> 8   | TWA: 500 mg/m <sup>3</sup> 8 |        |        |
|                     | mg/m <sup>3</sup> 15 Minuten    | timer                           | Stunden                      |        |        |
|                     | MAK-TMW: 1000 mg/m <sup>3</sup> | STEL: 2000 mg/m <sup>3</sup> 15 |                              |        |        |
|                     | 8 Stunden                       | minutter                        |                              |        |        |

| Component           | Russia                    | Slovak Republic             | Slovenia  | Sweden | Turkey |
|---------------------|---------------------------|-----------------------------|---|--------|--------|
| Polyethylene glycol | MAC: 10 mg/m <sup>3</sup> | TWA: 1000 mg/m <sup>3</sup> | TWA: 1000 mg/m³ 8<br>urah average MW<br>200-400 inhalable<br>fraction<br>STEL: 8000 mg/m³ 15<br>minutah average MW<br>200-400 inhalable<br>fraction |        |        |

## **Biological limit values**

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

## Monitoring methods

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust

## Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

See table for values

| Component                                 | Acute effects local (Dermal) | Acute effects systemic (Dermal) | Chronic effects local (Dermal) | Chronic effects systemic (Dermal) |
|---|------------------------------|---------------------------------|--------------------------------|-----------------------------------|
| Polyethylene glycol<br>25322-68-3 ( >95 ) |                              |                                 |                                | DNEL = 112mg/kg<br>bw/day         |

| Component                                 | Acute effects local (Inhalation) | Acute effects systemic (Inhalation) | Chronic effects local (Inhalation) | Chronic effects systemic (Inhalation) |
|---|----------------------------------|-------------------------------------|------------------------------------|---------------------------------------|
| Polyethylene glycol<br>25322-68-3 ( >95 ) |                                  |                                     |                                    | DNEL = 40.2mg/m <sup>3</sup>          |

## **Predicted No Effect Concentration (PNEC)**

See values below.

|   | Component           | Fresh water     | Fresh water sediment | Microorganisms in<br>sewage treatment | ` • •            |
|---|---------------------|-----------------|----------------------|---------------------------------------|------------------|
| r | Polyethylene glycol | PNEC = 0.273g/L | PNEC = 1030mg/kg     | J                                     | PNEC = 46.4mg/kg |
| L | 25322-68-3 (>95)    | ,               | sediment dw          |                                       | soil dw          |

| Component                               | Marine water    | Marine water sediment          | Marine water<br>Intermittent | Food chain | Air |
|---|-----------------|--------------------------------|------------------------------|------------|-----|
| Polyethylene glycol<br>25322-68-3 (>95) | PNEC = 27.3mg/L | PNEC = 103mg/kg<br>sediment dw | PNEC = 0.1mg/L               |            |     |

## 8.2. Exposure controls

#### **Engineering Measures**

None under normal use conditions.

## Personal protective equipment

**Eye Protection** Wear safety glasses with side shields (or goggles) (European standard - EN 166)

Hand Protection Protective gloves

| Glove material             | Breakthrough time                 | Glove thickness | EU standard | Glove comments        |
|----------------------------|-----------------------------------|-----------------|-------------|-----------------------|
| Nitrile rubber<br>Neoprene | See manufacturers recommendations | -               | EN 374      | (minimum requirement) |
| Natural rubber<br>PVC      | recemmendatione                   |                 |             |                       |

**Skin and body protection** Wear appropriate protective gloves and clothing to prevent skin exposure.

Inspect gloves before use. observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information) gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. gloves with care avoiding skin contamination.

**Respiratory Protection** 

No protective equipment is needed under normal use conditions.

Polyethylene glycol 1,500 Revision Date 12-Feb-2024

Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits Large scale/emergency use

are exceeded or if irritation or other symptoms are experienced

Solid

Recommended Filter type: Particle filter

Small scale/Laboratory use Maintain adequate ventilation

**Environmental exposure controls** No information available.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

**Physical State** Solid

White **Appearance** Odor Odorless

**Odor Threshold** No data available

Melting Point/Range 44 - 48 °C / 111.2 - 118.4 °F

**Softening Point** No data available **Boiling Point/Range** No information available

Flammability (liquid) Not applicable

Flammability (solid,gas) No information available

**Explosion Limits** No data available

> 250 °C / > 482 °F Flash Point Method - No information available

No data available **Autoignition Temperature** 

**Decomposition Temperature** No data available

5.0-7.0 10% in water рΗ

Not applicable Solid **Viscosity** 

Water Solubility 650 g/L (20°C)

Solubility in other solvents No information available

Partition Coefficient (n-octanol/water)

<0.01 mmHg @ 20 °C **Vapor Pressure Density / Specific Gravity** No data available

No data available **Bulk Density** Not applicable **Vapor Density** 

Solid **Particle characteristics** No data available

9.2. Other information

**Molecular Weight** 1500

**Evaporation Rate** Not applicable - Solid

## **SECTION 10: STABILITY AND REACTIVITY**

10.1. Reactivity None known, based on information available

10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur. **Hazardous Polymerization Hazardous Reactions** None under normal processing.

10.4. Conditions to avoid

Polyethylene glycol 1,500

Revision Date 12-Feb-2024

Avoid dust formation. Incompatible products. Excess heat.

10.5. Incompatible materials

Strong oxidizing agents.

## 10.6. Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO2).

## **SECTION 11: TOXICOLOGICAL INFORMATION**

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

#### **Product Information**

(a) acute toxicity;

Oral Based on available data, the classification criteria are not met
Dermal Based on available data, the classification criteria are not met
Inhalation Based on available data, the classification criteria are not met

| Component           | LD50 Oral            | LD50 Dermal             | LC50 Inhalation |
|---------------------|----------------------|-------------------------|-----------------|
| Polyethylene glycol | LD50 = 22 g/kg (Rat) | LD50 > 20 g/kg (Rabbit) | <del>-</del>    |
|                     |                      |                         |                 |

(b) skin corrosion/irritation; No data available

(c) serious eye damage/irritation; No data available

(d) respiratory or skin sensitization;

Respiratory No data available Skin No data available

| Component           | Test method                | Test species | Study result    |
|---------------------|----------------------------|--------------|-----------------|
| Polyethylene glycol | in vivo: Test method Human | Man          | non-sensitising |
| 25322-68-3 (>95)    | Repeat Insult Patch Test   |              | -               |

(e) germ cell mutagenicity; No data available

| Component           | Test method             | Test species | Study result |
|---------------------|-------------------------|--------------|--------------|
| Polyethylene glycol | OECD Test Guideline 471 | in vivo      | negative     |
| 25322-68-3 (>95)    |                         |              | _            |

(f) carcinogenicity; No data available

There are no known carcinogenic chemicals in this product

(g) reproductive toxicity; No data available

(h) STOT-single exposure; No data available

(i) STOT-repeated exposure; No data available

Target Organs No information available.

(j) aspiration hazard; Not applicable

Solid

Polyethylene glycol 1,500 Revision Date 12-Feb-2024

Other Adverse Effects The toxicological properties have not been fully investigated.

**Symptoms / effects,both acute and** No information available.

delayed

11.2. Information on other hazards

Endocrine Disrupting Properties Assess endocrine disrupting properties for human health. This product does not contain any

known or suspected endocrine disruptors.

## **SECTION 12: ECOLOGICAL INFORMATION**

12.1. Toxicity
Ecotoxicity effects

ComponentFreshwater FishWater FleaFreshwater AlgaePolyethylene glycolLC50 > 100 mg/L 96h, (Poecilia reticulata) OECD Guideline 203EC50 > 100 mg/L 48h, (Daphnia magna)EC50 > 100 mg/L 96h, (Scenedesmus subspicatus)OECD Guideline 202OECD Guideline 201

12.2. Persistence and degradability

**Persistence** Soluble in water, Persistence is unlikely, based on information available.

12.3. Bioaccumulative potential Bioaccumulation is unlikely

12.4. Mobility in soil

The product is water soluble, and may spread in water systems. Will likely be mobile in the

environment due to its water solubility. Highly mobile in soils

12.5. Results of PBT and vPvB

<u>assessment</u>

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent

and very bioaccumulative (vPvB).

12.6. Endocrine disrupting

properties

**Endocrine Disruptor Information** 

This product does not contain any known or suspected endocrine disruptors

12.7. Other adverse effects

Persistent Organic Pollutant Ozone Depletion Potential This product does not contain any known or suspected substance This product does not contain any known or suspected substance

## **SECTION 13: DISPOSAL CONSIDERATIONS**

#### 13.1. Waste treatment methods

Waste from Residues/Unused

**Products** 

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Consult local, regional, and national hazardous waste regulations to

ensure complete and accurate classification.

Contaminated Packaging Empty remaining contents. Dispose of in accordance with local regulations. Do not re-use

empty containers.

European Waste Catalogue (EWC) According to the European Waste Catalog, Waste Codes are not product specific, but

application specific.

Other Information Waste codes should be assigned by the user based on the application for which the product

Polyethylene glycol 1,500

was used.

**Switzerland - Waste Ordinance** 

Disposal should be in accordance with applicable regional, national and local laws and regulations. Ordinance on the Avoidance and the Disposal of Waste (Waste Ordinance,

Revision Date 12-Feb-2024

ADWO) SR 814.600

https://www.fedlex.admin.ch/eli/cc/2015/891/en

## **SECTION 14: TRANSPORT INFORMATION**

IMDG/IMO Not regulated

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

ADR Not regulated

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

<u>IATA</u> Not regulated

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards No hazards identified

**14.6. Special precautions for user** No special precautions required.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable, packaged goods

## **SECTION 15: REGULATORY INFORMATION**

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

## **International Inventories**

Europe (EINECS/ELINCS/NLP), China (IECSC), Taiwan (TCSI), Korea (KECL), Japan (ENCS), Japan (ISHL), Canada (DSL/NDSL), Australia (AICS), New Zealand (NZIoC), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

| Component           | CAS No     | EINECS | ELINCS | NLP       | IECSC | TCSI | KECL     | ENCS   | ISHL  |
|---------------------|------------|--------|--------|-----------|-------|------|----------|--------|-------|
| Polyethylene glycol | 25322-68-3 | -      | -      | 500-038-2 | Х     | X    | KE-20228 | Х      | X     |
|                     |            |        |        |           |       |      |          |        | •     |
| Component           | CAS No     | TSCA   | TSCA I | oventory  | DSI   | NDSI | AICS     | NZIoC. | PICCS |

| Component           | CAS No     | TSCA | TSCA Inventory<br>notification -<br>Active-Inactive | DSL | NDSL | AICS | NZIoC | PICCS |
|---------------------|------------|------|---|-----|------|------|-------|-------|
| Polyethylene glycol | 25322-68-3 | Х    | ACTIVE  | X   | -    | Х    | X     | Х     |

**Legend:** X - Listed '-' - Not Listed **KECL** - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

## Authorisation/Restrictions according to EU REACH Not applicable

| Component | CAS No | REACH (1907/2006) -      | REACH (1907/2006) -       | REACH Regulation (EC    |
|-----------|--------|--------------------------|---------------------------|-------------------------|
| -         |        | Annex XIV - Substances   | Annex XVII - Restrictions | 1907/2006) article 59 - |
|           |        | Subject to Authorization | on Certain Dangerous      | Candidate List of       |

Revision Date 12-Feb-2024

#### Polyethylene glycol 1,500

|                     |            |   | Substances | Substances of Very High Concern (SVHC) |
|---------------------|------------|---|------------|--|
| Polyethylene glycol | 25322-68-3 | = | =          | -                                      |

#### Seveso III Directive (2012/18/EC)

| Component           | CAS No     | Seveso III Directive (2012/18/EC) -      | Seveso III Directive (2012/18/EC) -   |  |
|---------------------|------------|--|---------------------------------------|--|
|                     |            | Qualifying Quantities for Major Accident | Qualifying Quantities for Safety Repo |  |
|                     |            | Notification                             | Requirements                          |  |
| Polyethylene glycol | 25322-68-3 | Not applicable                           | Not applicable                        |  |

Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals

Not applicable

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

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 .

## **National Regulations**

UK - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

**WGK Classification** See table for values

|   | Component           | Germany - Water Classification (AwSV) | Germany - TA-Luft Class |
|---|---------------------|---------------------------------------|-------------------------|
| Ī | Polyethylene glycol | WGK1                                  |                         |

#### **Swiss Regulations**

Article 4 para. 4 of the Ordinance on the protection of young people in the workplace (SR 822.115) and Article 1 lit. f of the EAER regulation on hazardous work and young people (SR 822.115.2).

Take note on Article 13 Maternity Ordinance (SR 822.111.52) with regards expectant and nursing mothers.

#### 15.2. Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted

## **SECTION 16: OTHER INFORMATION**

## Full text of H-Statements referred to under sections 2 and 3

## Legend

CAS - Chemical Abstracts Service

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances/EU List of Notified Chemical Substances

Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japanese Existing and New Chemical Substances AICS - Australian Inventory of Chemical Substances

IECSC - Chinese Inventory of Existing Chemical Substances **KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

WEL - Workplace Exposure Limit

TWA - Time Weighted Average IARC - International Agency for Research on Cancer

**ACGIH** - American Conference of Governmental Industrial Hygienists

Predicted No Effect Concentration (PNEC)

RPE - Respiratory Protective Equipment

LD50 - Lethal Dose 50%

**DNEL** - Derived No Effect Level

Transport Association

ATE - Acute Toxicity Estimate

**VOC** - (volatile organic compound)

#### Polyethylene glycol 1,500

LC50 - Lethal Concentration 50%

NOEC - No Observed Effect Concentration

PBT - Persistent, Bioaccumulative, Toxic

PBT - VPVB - very Persistent, very Bioaccumulative

**ADR** - European Agreement Concerning the International Carriage of Dangerous Goods by Road

**IMO/IMDG** - International Maritime Organization/International Maritime Dangerous Goods Code

**OECD** - Organisation for Economic Co-operation and Development

**BCF** - Bioconcentration factor

Key literature references and sources for data

https://echa.europa.eu/information-on-chemicals

Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

**Training Advice** 

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Ships

Prepared By Health, Safety and Environmental Department

**Creation Date** 19-Oct-2009 **Revision Date** 12-Feb-2024

**Revision Summary** New emergency telephone response service provider.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No. 1907/2006

For Switzerland - Compiled in accordance with the technical provisions referred to in Annex 2, Number 3, ChemO (SR 813.11 - Ordinance on Protection against Dangerous Substances and Preparations).

#### 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** 

Revision Date 12-Feb-2024

ICAO/IATA - International Civil Aviation Organization/International Air

MARPOL - International Convention for the Prevention of Pollution from