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## Polyethylene Glycol 4000 CAS No 25322-68-3

# MATERIAL SAFETY DATA SHEET SDS/MSDS

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

#### 1.1 Product identifiers

Product name : Polyethylene Glycol 4000

CAS-No. : 25322-68-3

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

Identified uses : Laboratory chemicals, Industrial & for professional use only.

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

Company	: Central Drug House (P) Ltd 7/28 Vardaan House New Delhi-10002 INDIA
Telephone	: +91 11 49404040
Email	: <u>care@cdhfinechemical.com</u>

#### **1.4 Emergency telephone number** Emergency Phone # : +91 11 49404040 (9:00am - 6:00 pm) [Office hours]

#### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

#### 2.2 Label elements

# Labelling according Regulation (EC) No 1272/2008 [CLP]PictogramnoneSignal wordnoneHazard statement(s)nonePrecautionary statement(s)none

Supplemental Hazard none Statements

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 100 % The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 100 %

#### 2.3 Other hazards - none

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Synonyms

PEG Macrogolum 4,000

Formula

: (C2H4O)nH2O

:

#### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

#### lf inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

**4.3** Indication of any immediate medical attention and special treatment needed no data available

#### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

# Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

#### **5.3** Advice for firefighters Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information no data available

#### 6. ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment and emergency procedures** Avoid dust formation. Avoid breathing vapors, mist or gas.

#### 6.2 Environmental precautions Do not let product enter drains.

- **6.3 Methods and materials for containment and cleaning up** Sweep up and shovel. Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections For disposal see section 13.

#### 7. HANDLING AND STORAGE

#### **7.1 Precautions for safe handling** Provide appropriate exhaust ventilation at places where dust is formed.

**7.2 Conditions for safe storage, including any incompatibilities** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## 7.3 Specific end uses

no data available

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Components with workplace control parameters

#### 8.2 Exposure controls

#### Appropriate engineering controls

General industrial hygiene practice.

#### Personal protective equipment

#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### **Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

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

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a)	Appearance	Form: solid			
b)	Odour	no data available			
c)	Odour Threshold	no data available			
d)	pН	no data available			
e)	Melting point/freezing point	no data available			
f)	Initial boiling point and boiling range	no data available			
g)	Flash point	no data available			
h)	Evaporation rate	no data available			
i)	Flammability (solid, gas)	no data available			
j)	Upper/lower flammability or explosive limits	no data available			
k)	Vapour pressure	no data available			
I)	Vapour density	no data available			
m)	Relative density	no data available			
n)	Water solubility	no data available			
o)	Partition coefficient: n- octanol/water	no data available			
p)	Autoignition temperature	no data available			

- q) Decomposition no data available temperature
- r) Viscosity no data available
- s) Explosive properties no data available
- t) Oxidizing properties no data available

# 9.2 Other safety information no data available

#### 10. STABILITY AND REACTIVITY

- 10.1 Reactivity no data available
- 10.2 Chemical stability no data available
- **10.3** Possibility of hazardous reactions no data available
- **10.4** Conditions to avoid no data available
- **10.5 Incompatible materials** Strong oxidizing agents
- **10.6 Hazardous decomposition products** Other decomposition products - no data available

#### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Acute toxicity LD50 Oral - rat - 50.000 mg/kg

LD50 Dermal - rabbit - > 20.000 mg/kg

#### Skin corrosion/irritation Serious eye damage/eye irritation Eyes - rabbit - Mild eye irritation

#### Respiratory or skin sensitization

no data available

#### Germ cell mutagenicity

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### **Reproductive toxicity**

Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated exposure

#### Aspiration hazard

#### Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

#### Additional Information RTECS: TQ4050000

#### 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity no data available
- 12.2 Persistence and degradability no data available
- 12.3 Bioaccumulative potential
- 12.4 Mobility in soil
- 12.5 Results of PBT and vPvB assessment no data available
- **12.6 Other adverse effects** no data available

#### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

# Contaminated packaging

Dispose of as unused product.

#### 14. TRANSPORT INFORMATION

14.1	<b>UN number</b> ADR/RID: -	IMDG: -	IATA: -
14.2	UN proper shipping nameADR/RID:Not dangerous goodsIMDG:Not dangerous goodsIATA:Not dangerous goods		
14.3	Transport hazard class(es) ADR/RID: -	IMDG: -	IATA: -
14.4	Packaging group ADR/RID: -	IMDG: -	IATA: -
14.5	Environmental hazards ADR/RID: no	IMDG Marine pollutant: no	IATA: no
14.6	Special precautions for user no data available		

#### 15. REGULATORY INFORMATION

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

# **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** no data available

### 15.2 Chemical Safety Assessment

no data available

#### 16. OTHER INFORMATION

#### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.cdhfinechemical.com for additional terms and conditions of sale.