

NICE SAFETY DATA SHEET

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Catalogue No : P 10619
Product Name : Polyethylene glycol-4000
Nice Chemicals (P) Ltd., PB No: 2217,
Manufacture / Supplier Identification Company : Manimala Road, Edappally, Kochi - 682 024,
Kerala, India.
Tel: 91-484-2800212, 2802755, 2802536,
Contact for Information : 2801583
Fax : 0484 2802483
Emergany Telephone No : 0484 2801583
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2 COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : PEG
Macrogolum 4,000
CAS - No : 25322-68-3
Molar Mass :
Molecular weight :
Molecular Formula : (C₂H₄O)_nH₂O
EC - INDEX No :
EC - No :

3 HAZARDS IDENTIFICATION

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.

Label Elements

Labelling according Regulation (EC) No 1272/2008

Pictogram : No data available
Signal word : No data available
Hazard statement(s) : No data available
Precautionary statement(s) : No data available
Supplemental Hazard Statements : none
Other Hazards : none



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4 FIRST AID MEASURES

After Inhalation	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
After skin contact	:	Wash off with soap and plenty of water. Consult a physician.
After eye contact	:	Flush eyes with water as a precaution
After swallowing	:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most Important symptoms and effects, both acute and delayed	:	No data available
Indication of any immediate medical attention and special treatment needed	:	No data available

5 FIRE - FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	:	No data available
Advice for firefighters	:	Wear self contained breathing apparatus for fire fighting if necessary.
Further Information	:	No data available.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Avoid dust formation. Avoid breathing vapors, mist or gas.
Environmental precaution	:	Do not let product enter drains.
Methods and materials for containment and cleaning up	:	Sweep up and shovel. Keep in suitable, closed containers for disposal
Reference to other sections	:	For disposal see section 13.

7 HANDLING AND STORAGE

Precautions for safe handling	:	Provide appropriate exhaust ventilation at places where dust is formed.
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Conditions for safe storage, including any incompatibilities	:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive.
Specific end users	:	No data available

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter

Components with workplace control parameters

Exposure Controls

Appropriate engineering controls	:	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
Personal protective equipment		
Eye/face protection	:	Face shield and safety glasses 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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
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.



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Respiratory protection	:	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure	:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance		Form : solid
		Colour : No data available
Odour	:	No data available
Odour Threshold	:	No data available
pH	:	No data available
Melting Point/Freezing point	:	No data available
Initial Boiling point and boiling range	:	No data available
Flash Point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or explosive limits	:	No data available
Vapour Pressure	:	No data available
Vapour Density	:	No data available
Relative density	:	No data available
Water solubility	:	No data available



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Partition coefficient: noctanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Other Safety information	:	No data available

10 STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	No data available
Possibility of hazardous reactions	:	No data available
Conditions to be avoid	:	No data available
Incompatible materials	:	Strong oxidizing agents
hazardous decomposition products	:	Other decomposition products - no data available

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity	:	No data available
Further toxicological Information		
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	Mild eye irritation
Respiratory or skin sensitisation	:	No data available
Germ cell mutagenicity	:	No data available



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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	:	No data available
Specific target organ toxicity - single exposure	:	No data available
Specific target organ toxicity - repeated exposure	:	No data available
Aspiration hazard	:	No data available
Additional Information	:	RTECS: Not available Exposure to arsenic compounds can cause:, Gastrointestinal disturbance, Cardiovascular effects., Neurological disorders

12 ECOLOGICAL INFORMATION

Toxicity	:	No data available
Persistence and degradability	:	No data available
Bioaccumulative potential	:	No data available
Mobility in soil	:	No data available
Results of PBT and vPvB assessment	:	No data available
Other adverse effects	:	No data available

13 DISPOSAL METHOD

Waste treatment methods

Product	:	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging	:	Dispose of as unused product.



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14 TRANSPORT INFORMATION

UN number	:	ADR/RID: IMDG:
		IATA:
UN Proper shipping name	:	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
Transport hazard class(es)	:	ADR/RID: IMDG:..... IATA:
Packaging group	:	ADR/RID:..... IMDG:..... IATA:.....
Environmental group	:	ADR/RID: no IMDG Marine pollutant: no IATA: no
Special precautions for user	:	No data available

15 REGULATORY INFORMATION

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

Safety, health and environmental regulations/legislation specific for the substance or mixture	:	No data available
Chemical safety assessment	:	No data available

16 OTHER INFORMATION

The information contained here in is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.