



NITIKA PHARMACEUTICAL SPECIALITIES PVT. LTD., NAGPUR

BLOCK NO. 03, OF PLOT NO. 1296,1297/08 WARD NO. 03,, MOUZA- WADDHAMANA, TAL. HINGNA

AMRAVATI ROAD, NAGPUR - 440023

Email: info@nitikapharma.com

Visit us: www.nitikapharma.com

Preparation Date : 20/04/2022

Validity Date: 19/04/2026

MATERIAL SAFETY DATA SHEET POLYETHYLENE GLYCOL

1.Product Identification

Synonyms: PEG; Polyglycol

CAS No.: 25322-68-3

Molecular Weight: Not applicable to mixtures.

Chemical Formula: (C₂H₄O)_n. H₂O

Company Identification

Name: NITIKA PHARMACEUTICAL SPECIALITIES PVT. LTD

Address: BLOCK NO. 03,OF PLOT NO. 1296,1297/08 WARD NO. 03,, MOUZA-
WADDHAMANA, TAL. HINGNA AMRAVATI ROAD, NAGPUR - 440023

Phone Number:7798219933

2. Composition/Information on Ingredients

Ingredient	CAS No	Hazardous
Polyethylene Glycol	25322-68-3	No

3. Hazards Identification

Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 0 - None

Flammability Rating: 1 - Slight

Reactivity Rating: 0 - None

Contact Rating: 1 - Slight

Lab Protective Equip: GOGGLES; LAB COAT

Potential Health Effects

Inhalation: No adverse health effects expected from inhalation. (May be a mechanical irritant.)

Skin Contact: No adverse effects expected.

Eye Contact: No adverse effects expected.

Chronic Exposure: No information found.

4. First Aid Measures

Inhalation: Not expected to require first aid measures.

Ingestion: If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops or persists.

Eye Contact: In case of contact, flush eyes with plenty of water for at least 15 minutes. Get medical advice if irritation develops.

5. Fire Fighting Measures

Fire: As with most organic solids,

Flammability of the Product: May be combustible at very high temperature.

Fire Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified. **Solid Spills:** Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container. **Liquid Spills:** Absorb with vermiculite, dry sand, earth or similar material and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer.

7. Handling and Storage

Preserve in tight container.

Storage temperature range: 15°C-55°C

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

AIHA Workplace Environmental Exposure Level (WEEL):

Polypropylene glycols: 8-hour TWA: 10 mg/m³, as an aerosol

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH Document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):

For use with solids (not required for liquids): If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full face piece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance: Clear liquid or white solid.

Odor: Mild odor.

Solubility: Soluble in water.

Density: range: 1.1 to 1.2 (increases as molecular weight increases)

% Volatiles by volume @ 21C (70F): No information found.

Boiling Point: No information found.

Melting Point: Melting point increases as molecular weight increases: PEG 400 = 4-8C (39-46F) PEG 600 = 20-25C (68-77F) PEG1500 = 44-48C (111-118F) PEG 4000 = 54-58C (129-136F) PEG 6000 = 56-63C (133-145F), PEG 3350= 53-57°C

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): Vapor pressure is very low; as molecular weight increases, vapor pressure decreases.

Evaporation Rate (BuAc=1): No information found.

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Incompatible with polymerization catalysts (peroxides, persulfates) and accelerators, strong oxidizers, strong bases and strong acids.

Conditions to Avoid: Incompatibles.

11. Toxicological Information

Oral Rat LD50 for:

PEG 200 = 28gm/kg; PEG 300 = 27.5gm/kg; PEG 400 = 30.2gm/kg; PEG 600 = 30gm/kg;
PEG 1000 = 32gm/kg; PEG 1450 = > 4gm/kg; PEG 4000 = 50gm/kg; PEG 3350=22gm/kg
PEG 6000 = > 50gm/kg; PEG 20000 = 31.6gm/kg

-----\Cancer Lists\-----

---NTP Carcinogen---

Ingredient Known Anticipated IARC Category

Polyethylene Glycol (25322-68-3) No None

12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

-----\Chemical Inventory Status - Part 1\-----
Ingredient TSCA EC Japan Australia

Polyethylene Glycol (25322-68-3) Yes No Yes Yes

-----\Chemical Inventory Status - Part 2\-----
--Canada--

Ingredient Korea DSL NDSL Phil.

Polyethylene Glycol (25322-68-3) Yes Yes No Yes

-----\Federal, State & International Regulations - Part 1\-----

-SARA 302- -----SARA 313-----

Ingredient RQ TPQ List Chemical Catg.

Polyethylene Glycol (25322-68-3) No No No No

-----\Federal, State & International Regulations - Part 2\-----

-RCRA- -TSCA-

Ingredient CERCLA 261.33 8(d)

Polyethylene Glycol (25322-68-3) No No No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No

SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No

Reactivity: No (Pure / Solid)

Australian Hazchem Code: None allocated.

Poison Schedule: None allocated.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 0 Flammability: 1 Reactivity: 0

Label Hazard Warning:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions: None.

Label First Aid: Not applicable.

Product Use: Laboratory Reagent.

Revision Information: No Changes.

Disclaimer:

Label First Aid:


Disclaimer:

NITIKA PHARMACEUTICAL SPECIALITIES PVT LTD. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

NITIKA PHARMACEUTICAL SPECIALITIES PVT LTD, MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY,

NITIKA PHARMACEUTICAL SPECIALITIES PVT LTD. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

Contact Points

Organisation	Location	Telephone	Ask For
Nitika Pharmaceutical Specialities Pvt. Ltd	BLOCK NO. 03, OF PLOT NO. 1296, 1297 /08 WARD NO. 03, MOUZA-WADDHAMANA, TAH. HINGNA AMRAVATI ROAD, NAGPUR - 440023	7798219933	 Mrs. Komal A. Keshavkar

