

Material Safety Data Sheet (MSDS)

1. Identification of the substance / preparation and company / undertaking

- Product name : HONEOL PEG-4000
- Address/phone no. : Honam Petrochemical co.
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2. Composition/Information on Ingredients

- Product Description : Polyethylene glycol
- CAS No. : 25322-68-3

3. Hazard Identification

- Eye Contact
 - Short term exposure : irritation
 - Long term exposure : same as effects reported in short term exposure
- Skin contact
 - Short term exposure : irritation
 - Long term exposure : same as effects reported in short term exposure
- Inhalation
 - Short term exposure : irritation, cough
 - Long term exposure : no information is available
- Ingestion
 - Short term exposure : vomiting
 - Long term exposure : same as effects reported in short term exposure

4. First aid measures

- Eye contact

- Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.

- Skin contact

- Remove contaminated clothing, jewelry and shoes immediately.
- Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20min). Get medical attention

- Inhalation

- Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed. Get medical attention.

- Ingestion

- Never make an unconscious person vomit or drink fluids. Give large amounts of water. Do not induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. If person is unconscious, turn head to side. Get medical attention immediately.

5. Fire fighting measures

- Flash point : > 265°C (509°F)

- Extinguishing media : Carbon dioxides or dry powder, water, regular foam

- Fire fighting

- Move container from fire area if it can be done without risk.

Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

6. Accidental Release Measures

- Do not allow to enter drains or sewers.

- Adsorb spillages onto sand, earth or any suitable adsorbent material.
- Transfer to a container for disposal. Wash the spillage area with water.

7. Handling and Storage

- Handling
 - Avoid contact with skin

8. Exposure controls, Personal protection

- Exposure Limits
 - No occupational exposure limits established.
- Eye protection
 - Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
- Glove
 - Protective clothing is not required but recommended.

9. Physical and chemical properties.

- Physical form : solid at 25 °C
- Color : White
- Odor : faint odor
- Solubility (water) : Soluble
- Solubility (other) : Soluble
- Boiling point (°C) : No data
- Melting point (°C) : 27°C
- Vapor pressure : < 0.01mmHg.
- Partition Coefficient : No data

10. Stability and reactivity

- Reactivity : Stable at normal temperature and pressure
- Condition to avoid
 - Avoid heat, flames, sparks and other sources of ignition.
 - Avoid contact with incompatible materials.
- Hazardous decomposition
 - Thermal decomposition products : oxides of carbon

11. Toxicological information

- Toxicity data
 - Not available data
- Ingestion
 - Not available data

12. Ecological information

- Toxicity
 - Not available data

13. Disposal consideration

- Disposal should be in accordance with local, state or national legislation.

14. Transport information

- No classification assigned

15. Regulatory information

- European Regulations : Not assigned

16. Other information

- The information and recommendation in this publication are the best our knowledge, information and belief at the date of publication. Nothing herein is to be construed as a warranty. In all cases, it is the responsibility of the user to determine the applicability of such information or the suitability or any products for their own particular purpose. All sales of these products shall be subject to Honam's standard conditions of sale.

