

Date: May.26th, 2025

PEG-300 MSDS

Part 1: Chemical names

Chinese name of the chemical: polyethylene glycol

Chemical English name: polyethylene glycol 300

Manufacturer name: HEBEI JRain TECHNOLOGY CO., LTD.

Address: No. 66 XIANGTAI ROAD, YUHUA DISTRICT, SHIJIAZHUANG CITY, HEBEI PROVINCE, CHINA

Email address:

Zip Code : 050000

Technical specification Code:

Registration Number:

Effective Date:

Emergency contact numbers:

Part 2: Ingredients/Composition Information 1 Get the information

Harmful ingredients > 99% CAS No.: 25322-68-3

Part 3: Hazard Overview

Hazard category: Non-flammable and explosive

Access:

Health hazard: Ingestion can cause nausea and vomiting. Immediate medical attention must be sought.

Environmental hazards: A large amount of discharge will cause pollution to the water body

Fire and explosion hazard: non-flammable and explosive products

Part 4: First Aid measures

Skin contact: Wash with plenty of clean water

Eye contact: Immediately lift eyelids and rinse thoroughly with plenty of running water or saline solution for at least 15 minutes.

Seek medical attention.

Inhalation :

Ingestion : forced vomiting and prompt medical attention

Part 5: Fire Measures

Hazardous characteristics: Non-flammable and explosive, non-corrosive.

Fire extinguishing method:

Part 6: Emergency treatment of leakage

Emergency treatment: quickly evacuate the contaminated area to the safety zone, and isolation, strictly restrict access. Cut off the fire source. It is recommended that emergency responders wear self-contained positive pressure breathing

apparatus and wear protective clothing. Cut off sources of leaks whenever possible. If liquid, prevent it from flowing into restricted Spaces such as drains and flood drains. Small amount of leakage: Absorb with sand, vermiculite or other inert materials. It can also be washed with a lot of water and diluted into the waste water system. A large number of leaks: build a embankment or dig a pit to contain. Use the pump to transfer to the tank car or special collector, recovery or transport

Disposal at a waste disposal site. If solid, absorb with sand, vermiculite or other inert material. Sweep up carefully. If a large amount leaks, collect and recycle or transport to a waste disposal site for disposal.

### Part 7: Operational Disposal and Storage

Precautions for operation:

Storage precautions: Store in a cool, ventilated warehouse. Keep away from fire and heat sources. Should be stored separately with easy (can) combustibles, alkalis, active metal powder, do not mix storage. The storage area should be equipped with suitable materials to contain leaks.

### Part 8: Contact Control/Personal Protection

Monitoring Methods:

Engineering control: closed operation, pay attention to ventilation.

Mechanization and automation as much as possible. Provide safety showers and eye washing equipment.

Respiratory protection: self-priming filter gas mask (half mask) must be worn when possible contact with its vapor; When possible contact with its dust, it is recommended to wear a self-priming filter dust mask. Eye protection: Wear chemical safety protective glasses.

Body protection: Wear an antiseptic penetration suit.

Hand protection: Wear rubber acid and alkali resistant gloves.

Other protection: Smoking, eating and drinking are prohibited in the workplace, and hands should be washed before meals. Shower and change after work. Store clothes contaminated with poisons separately and wash them for later use. Practice good hygiene.

### Part 9: Physical and Chemical Properties

Appearance and properties: colorless transparent liquid

pH: 5-7

Melting point (°C) :  $\leq 15^{\circ}\text{C}$

Boiling point (°C) :  $> 180^{\circ}\text{C}$

Hydroxyl value, mgKOH/g: 340-416

Molecular weight: 270-330

Molecular formula:  $\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$

Main composition: polyoxyethylene ether

Saturated vapor pressure (kPa) :

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## Hebei JRain Technology Co., Ltd.

Critical temperature (° C) :

Pair value of octanol/water partition coefficient:

Flash point (° C) : > 100 ° C

Ignition temperature (° C) :

Solubility: soluble in water and organic solvents

Main Uses:., solubilizer, viscosity regulator, wetting agent and other physical and chemical properties: stable to acid, alkali and hard water.

### Part 10: Stability and reactivity

Stability

Forbidden compound:

Conditions to avoid contact:

Polymerization hazards:

Breakdown products: carbon dioxide, water

### Part 11: Toxicological information

Acute toxicity: None

LC50:

Subacute and chronic toxicity: none

Irritant:

Sensitization:

Mutagenicity:

Teratogenicity:

Carcinogenicity:

### Part 12: Ecological data

Ecotoxicological toxicity:

Biodegradability:

Non-biodegradability:

Bioenrichment or bioaccumulation:

Other harmful effects: attention should be paid to the pollution of water bodies.

### Part 13: Waste disposal

Nature of waste:

Waste disposal method: Before disposal should refer to the relevant national and local regulations. Incineration method is recommended for disposal.

Notes for disposal:

### Part 14: Shipping Information

Dangerous Goods Number:

UN Number:

Package mark:

河 北 捷 润 科 技 有 限 公 司  
**Hebei JRain Technology Co.,Ltd.**

Package category:

Packing Method:

Transport note: Transport by general chemicals

Part 15: Regulatory Information

Part 16: Other Information

Form Filling Department:

Applicant: Faye Wong

Time: 2017/08/31

HEBEI JRAIN TECHNOLOGY CO.,LTD.