

河北捷润科技有限公司

Hebei JRain Technology Co., Ltd.

Date: Feb.25th,2025

MATERIAL SAFETY DATA SHEET

Part I chemical and enterprise identification

Chemical name: polyether modified trisiloxane

Company name: HEBEI JRain TECHNOLOGY CO.,LTD.

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

Postcode: 050000

Tel: 0086-311-80680379

Enterprise emergency consultation telephone: 0086-311-80680379

Part 2: Composition / information

2.1 Main ingredient: Polyether modified trisiloxane

2.2 Content: 100%

2.3 CAS No. 67674-67-3

The third part: risk overview

3.1 Risk category: may affect the central nervous system.

3.2 Invasion route: inhalation, ingestion, skin contact, eye contact

3.3 Health hazard: eyes: contact with liquids or vapors may cause eye pain, redness and burns

Inhalation: inhalation may cause respiratory tract irritation, cough and sore throat

Ingestion: ingestion may cause gastrointestinal irritation. Harmful if swallowed

Part four: first aid measures

4.1 Skin contact: wipe off and wash with water and soap for at least 15 minutes.

4.2 Eye contact: immediately rinse eyes with water for at least 15 minutes and lift the upper and lower eyelids repeatedly.

4.3 Inhalation: move to good ventilation.

4.4 Ingestion: drink plenty of water after gargling. Do not take anything from the mouth.

Part V: fire fighting measures

5.1 Hazard characteristics: flammable liquid.

5.2 Harmful combustion products: carbon oxide, carbon hydride, silicon dioxide

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5.3 Fire fighting method: use water mist, alcohol resistant foam, dry powder or carbon dioxide to extinguish fire.

Special fire fighting method: in case of fire, evacuate and isolate the crowd in time. Fire fighting shall be carried out by trained professionals without endangering personnel safety. Move the container from the fire site to an open place as far as possible without endangering personnel safety. Put out the fire in the upwind.

Part six: emergency treatment of leakage

6.1 Leakage is not handled by professional personnel. Isolate and evacuate the leakage area to avoid the entry of irrelevant personnel and unprotected personnel. Avoid breathing steam or smoke.

Splash / leak: remove all sources of ignition. Stop the leakage and remove the container from the leaking area without endangering the safety of personnel. When there is a large amount of leakage, build a dike or dig a pit to hold it, so as to prevent the leakage from spreading. In case of a small amount of leakage, the non combustible and non reactive adsorption materials (such as sand, vermiculite or diatomite) shall be used to absorb the leaked materials, and the materials shall be placed in a suitable sealed container and disposed of according to local regulations. Suitable foam can be used to inhibit steam generation. The adsorption material after use has the same harmfulness as the leakage. Avoid the diffusion, inflow or contact with soil, water channel, drainage and sewage system.

Part 7: handling and storage

7.1 Operation precautions: operators must be professional trained and work with certificates, and strictly abide by process regulations and post operation methods. Ensure that the working area is well ventilated. Handle with care, keep the container closed and away from prohibited substances (see Part 10), various sources of fire or heat (such as open fire, direct sunlight, smoke, hot surfaces), food, drink and feed. Keep away from water and moisture and avoid all unnecessary contact. Avoid contact with eyes, skin and clothing. Avoid inhalation and ingestion. Remove contaminated clothing and shoes. Contaminated clothing and shoes should be thoroughly cleaned before reuse. There may be product residues (liquid or vapor) in the empty container. The working area shall be equipped with corresponding types and quantities of fire-fighting equipment, leakage emergency treatment equipment and appropriate reception materials. Take appropriate measures to avoid environmental pollution.

7.2 Storage precautions: personnel are not allowed to enter the storage area and confined space in case of poor ventilation. Store in original container. The container should be closed when not in use. Open containers should be carefully re sealed and kept upright to avoid leakage. Store in a cool, dry, well ventilated place away from prohibited substances (see section 10), various sources of fire or heat (e.g. open fire, direct sunlight, smoke, hot surfaces), food, beverages and feed. Keep away from water and moisture. Avoid mixed storage. Store separately from oxidant, acid, alkali and edible

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chemicals. Inspect the container regularly to avoid damage or leakage. Load and unload with care to avoid damage to packing container. The storage area shall be equipped with corresponding types and quantities of fire-fighting equipment, leakage emergency treatment equipment and appropriate reception materials. Take appropriate measures to avoid environmental pollution.

Part 8: exposure control / personal protection

8.1 Occupational exposure limit: None

8.2 Monitoring method: no data available

Use closed systems, local ventilation or other engineering measures to control air concentrations. Local ventilation is recommended. This method can effectively control the pollution source at the source, prevent it from spreading to the general operation area, and provide safety shower and eye washing equipment.

8.4 Respiratory system protection: wear full face positive pressure air supply respirator or positive pressure self-contained breathing apparatus in case of leakage or fire.

8.5 Eye protection: wear appropriate eye protection or use eye protection combined with respiratory protection

8.6 Body protection: wear appropriate protective clothing

8.7 Hand protection: wear protective gloves

8.8 Other protection: this measure is only suitable for room temperature operation. Additional precautions are required if it is to be operated at high temperature or used as a spray.

Part 9: physical and chemical properties

Material state: liquid	Shape: Flowing liquid
Color: Colorless or light amber	Odor: tasteless
PH: 7~8	Boiling point / boiling point range: Not applicable
Decomposition	Flash point: Not applicable (closed cup test)
temperature: Not applicable	Explosion limit: Not applicable (in air)
Natural temperature: Not applicable	Solubility: Not applicable
Density (water = 1): 1.01~1.04	Evaporation rate: Undetermined
Vapor pressure: Not applicable	

Part 10: stability and reactivity

10.1 Stability: stable under specified use and storage conditions (in closed containers).

10.2 Contraindications: strong oxidant, acid.

10.3 Conditions to avoid contact: fire source or heat source (such as open fire, hot surface), prohibited materials, exposure to air.

10.4 Decomposition products: in the fire may be burned or thermal decomposition to produce carbon oxides, carbon hydride, silicon dioxide, etc.

Part 11: toxicological information

11.1 Acute toxicity: cas_-78-1

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RTECS#TX2100000

LD50: 4000mg / kg (mice, oral)

LD50: 1780mg / kg (rat, oral)

LD50: 4000mg / kg (rat, oral)

LD50: 4ml / kg (rabbit, percutaneous)

11.2 Subacute and chronic toxicity:

11.3 Irritation: None

Part 12: ecological information

12.1 Ecotoxicity:

12.2 Biodegradability:

12.3 Non biodegradability:

12.4 Bioaccumulation or bioaccumulation:

12.5 Other harmful effects:

Part 13: waste disposal

13.1 Nature of waste:

13.2 Waste disposal method: when discarding, it is necessary to determine whether the substance belongs to hazardous waste material. The disposal should comply with the relevant laws and regulations of the region, the state and the local. Waste generation should be avoided or reduced as much as possible. Surplus and non recyclable products should be disposed of by a licensed waste disposal contractor. The disposal of the product, its solvents and any by-products should comply with local environmental protection, waste disposal and other relevant regulatory requirements. Packaging materials may contain residues of the substance and should be treated as waste of the substance. The cleaned packaging materials should be recycled or reused according to local regulations. Avoid the spread of waste or contamination of soil, waterways, canals and sewers. Please refer to parts 7 and 8 for precautions during operation and storage and protective measures for workers.

13.3 Disposal precautions:

Part 14: Transport Information

14.1 Dangerous goods No

14.2 UN No.:

14.3 Package mark:

14.4 Packing category:

14.5 Packing method:

14.6 Transportation precautions:

Part 15: regulatory information

Regulation information: 1;

2General rules of non hazardous and harmful substances;

3Road traffic safety rules;

4Industrial waste storage and removal methods and facility standards.

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Part 16: other information

16.1 reference:

16.2 Other information: the information in this MSDS is only based on the information of relevant materials we have at present. It is only to describe the health, safety and environmental requirements of this product, so that all parties concerned can better understand and trust this product. This information knowledge is provided to you for consideration, research and confirmation. Some of the hazard prevention measures are not unique.

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