

SAFETY DATA SHEET

SHENYANG RISE SURFACE TECHNOLOGIES CO. LTD.

Product name: Polyether defoamer AF-2200

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1、 Chemical and enterprise identification

1.1 Product Name: Polyether defoamer AF-2200

1.2 manufacturer's product code: 2200

1.3 chemical classification: Polyether defoamer

1.4 classification of dangerous goods: Unlimited

1.5 company introduction:

Name of manufacturer / supplier: Shenyang Rise Surface Technologies Co., Ltd

Address: No.83, Puhe Road, Shenbei New District, Shenyang, Liaoning Province

Postcode: 110122

Tel: (86) 024-31238880

Fax: (86) 024-31238880

Emergency telephone: +86 13842077379

composition	100% Polymer of methyl ethylene oxide with propylene oxide and glycerol
CAS NO.	9003-11-6

2、 Risk identification

2.1 risk category:

GHS Classification: This product is **not hazardous** per the Globally Harmonized System of Classification and Labelling (GHS).2.2 hazard information: no hazard. **Avoid contact with skin and eyes**

2.3 exposure routes: inhalation, skin contact and accidental ingestion

2.4 health hazards: Not classified based on available information.

2.5 effects and symptoms of excessive exposure: under normal use, a single exposure does not produce harmful effects

3、 Composition / composition information

- 3.1 chemical category: mixture
- 3.2 physical form: viscous liquid
- 3.3 color: colorless
- 3.4 main use: defoamer

This product is a mixture.

Contains no hazardous ingredients according to GHS.

4、 First aid measures

- 4.1 eyes: **rinse with water immediately**
- 4.2 skin: no need for first aid
- 4.3 inhalation: no first aid required
- 4.4 ingestion: medical treatment
- 4.5 note: symptomatic treatment
- 4.6 tips for doctors: symptomatic treatment. If you want further information, please contact Rise Surface Technology Co., Ltd

5、 Fire fighting measures

- 5.1 combustibility: **non combustible**
- 5.2 flash point: no data
- 5.3 ignition temperature: no data
- 5.4 lower explosion limit: no data
- 5.5 upper explosion limit: no data
- 5.6 hazard characteristics: none
- 5.7 **extinguishing agent: use dry chemicals, foam or water mist in fire. Use carbon dioxide, dry chemicals or water mist for small fires. Containers exposed to fire can be cooled with water.**
- 5.8 special fire fighting procedures and equipment: decide whether to evacuate or isolate the area according to the local emergency plan. Cool fire affected containers with water. Self contained breathing apparatus and protective clothing should be worn when extinguishing fires involving chemicals.
- 5.9 harmful combustion products: carbon dioxide and a small amount of unburned carbides.
- 5.10 prohibited extinguishing agent: not determined

6、 Emergency treatment of leakage

- 6.1 personal protection precautions: avoid eye contact. Do not take orally.
- 6.2 environmental protection precautions:
Use sand, soil, or other inhibitors to prevent diffusion or entry into sewers, drains, or rivers.
- 6.3 elimination method:
Decide whether to evacuate or isolate the area according to the local emergency plan. Follow all personal protective equipment recommendations listed in this material safety data sheet. If the containment can be sucked up, it should be packed in a suitable container. Clean up the leakage residue with suitable adsorbent. Clean up the leaking area properly, as even a small amount of leakage can cause a greasy hazard. Steam, solvent or cleaner is required for final cleaning. Properly handle saturated absorbent or cleaning items as they may generate self heating. The

relevant legal provisions may apply to the leakage and release of this article, as well as to the materials and articles used to clean up the leakage. You need to identify more appropriate laws and regulations.

7、 Handling and storage

7.1 operation precautions: use sufficient ventilation and exhaust equipment. Avoid eye contact. Do not take orally. To implement good industrial hygiene, please clean after operation, especially before eating or smoking.

7.2 Storage Tips: be careful and keep away from oxidized materials

7.3 unsuitable packaging materials: not determined

8、 Exposure control / personal protection

8.1 industrial hygiene standards:

Component CAS No. contact limit: unknown

8.2 engineering control

Local ventilation: not required

General ventilation: Recommended

8.3 personal protective equipment for routine operation

Respiratory protection: respiratory protective equipment is not required

Use proper respirator: not required

Eye protection: use proper protection - Safety glasses are the minimum requirement

Hand protection: no special protection is required

Skin protection: adequate cleaning during meals and off hours

Personal hygiene measures: implement good industrial hygiene measures, please clean after operation, especially before eating or smoking

8.4 leaking personal protective equipment

Respiratory protection: respiratory protective equipment is not required

Eye protection: use proper protection - Safety glasses are the minimum requirement

Skin protection: eating and off-duty cleaning is sufficient

Precautions: avoid eye contact. Do not take orally. Take appropriate protection.

Note: these operation precautions are based on normal temperature operation. If it is used at high temperature or in aerosol state, other precautions should be observed. For guidance on the use of products for aerosol applications, please contact our customer service department.

9、 Physical and chemical properties

9.1 physical form: viscous liquid

9.2 color: colorless

9.3 odor: slight odor

9.4 pH value: 6.0-8.5

9.5 solubility: no data

9.6 boiling point: > 100 °C

9.7 melting point: no data

9.8 flash point: no data

9.9 ignition temperature: no data

- 9.10 explosiveness: no
9.11 oxidizability: no
9.12 steam pressure (25 °C): no data
9.13 **specific gravity: 0.90-1.10**
9.14 octanol / water partition coefficient: no data
9.15 relative vapor pressure (air = 1): no data
9.16 molecular weight: not evaluated

The above information is for reference only. If you want to prepare product information, please contact Rise company

10、 Stability and reactivity

- 10.1 stability: stable
10.2 reactivity:
Conditions to avoid contact: None
Prohibited substances: None
Decomposition products: carbon dioxide and a small amount of unburned carbides.
Polymerization hazard: polymerization reaction that will not cause harm

11、 Toxicological information

- 11.1 health hazards: see Section 2.4
11.2 sensitization: unknown
11.3 mutagenicity: unknown
11.4 reproductive heritability: unknown
11.5 carcinogenicity: unknown
11.6 other health hazard information: no suitable data
The potential hazards listed above are based on the data obtained from the component research of products or similar products or the products are evaluated by experts.

12、 Ecological information

- 12.1 environmental impact and its distribution:
The defoamer is separated from the water by depositing or bonding to the sewage sludge.
Degradation of defoamer in soil
12.2 environmental impact: **no harmful effects on aquatic organisms**
Bioaccumulation: no bioaccumulation capacity
12.3 impact on wastewater treatment plant:
By bonding with sewage sludge, more than 90% can be removed. It has no harmful effect on bacteria.
12.4 additional environmental information:
Degradability: additional environmental information is available upon request

13、 Disposal considerations

- 13.1 disposal method of product waste: according to local regulations
13.2 packaging waste disposal method: according to local regulations

14、 Transport information

14.1 road and rail transport: unrestricted

14.2 shipping (IMDG): not IMDG Code

14.3 air transport (IATA): not under IATA regulations

15、 Regulatory information

15.1 applicable regulations:

Regulations on safe use of chemicals in workplace [(1996) No. 423 of Ministry of labor] have made corresponding regulations on safe use, production, storage and transportation, transportation, loading and unloading of chemicals.

15.2 chemical inventory:

TSCA: all chemical components in this article are listed in the chemical substances list or exempted from TSCA chemical substances list

Kecl: all ingredients are listed, exempted or announced

lecsc: all components are listed or exempted

PICCs: one or more components are not listed or exempted

AICS: all components are listed or exempted

DSL: all chemical components in this article are listed in the DSL chemical substances list or exempted from the DSL chemical substances list

EINECS: all components are listed or exempted

MITI: all components are listed in ENCS or its exemption

15.3 [European Regulation](#) (EC) No.1907/2006 (REACH) Article 59(10) on the candidate list of Substances of Very High Concern (SVHC) for authorization (224 items till 06/10/2022)

None of the components are listed.

Substances of very high concern

None of the components are listed

16、 Other information

Liaison Office: Rise Technologies Center (86) 024-31238880

Manufacturer: Shenyang Rise Surface Technologies Co., Ltd

This information is not a product description, but to provide a concept of representative value. There is no guarantee, statement or hint. The recommended industrial hygiene and safety procedures are believed to be basically applicable. However, each user should review the suitability of the recommendations for the intended use of the product prior to use.

(R) Means a registered trademark