

SORBIC ACID
MATERIAL SAFETY DATA SHEET

DATE OF ISSUE: Jan 01, 2025

Company: Tianjin Huge Roc Enterprises Co., Ltd.

Add: 1806 Huijin Center, 65 Dagu Road, Heping Distric, Tianjin China

Tel: +86 15822077863

1. Identification of the substance/preparation and the company

Name of substance: **SORBIC ACID**

Formala: C₆H₈O₂

Structure: CH₃-CH=CH-CH=CH-COOH

Molecular Weight: 112.13

Manufacturer: Tianjin Huge Roc Enterprises Co., Ltd.

Address: 1806 Huijin Center, 65 Dagu Road, Heping Distric, Tianjin China

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2. Hazards Identification

2.1 Classification of the substance or mixture

Not a hazardous substance according to Regulation (EC) no. 1272/2008

Not classified as dangerous according to Directive 67/548/EEC

2.2 Label elements

Not classified as dangerous according to Directive 67/548/EEC

2.3 Other hazards

No information available

3. Compaction Composition/Information on Ingredient

CAS Name: 2,4- Hexadienoic Acid

CAS No.: 110-44-1

CAS Name: Water

CAS No.: 7732-18-5

Ingredient content: > 99% sorbic acid, less than 1% water



4. First-aid Measures

In case of eye or skin contact, wash with large amounts of water for 15 to 20 minutes.

In case of ingestion, treat symptomatically and supportively. In the event of persist symptoms receive medical treatment.

In case of inhalation seek fresh air and aid breathing if necessary. Get medical attention.

5. Fire-fighting Measures

Suitable extinguishing material: Alcohol-resistant foam; Dry powder; Carbon dioxide; water spray jet.

Fight fire in early stages is safe to do so.

Don't inhale explosion and/or combustion gases.

Wear respiratory protection.

Well ventilated areas: full-face mask with combination filter.

Enclose premises: respirator with independent air supply.

6. Handling and Storage

Keep cool and dry in tightly closed containers. Keep product out of light, and avoid exposure to excessive heat.

7. Personal Protection

If product is handled while not enclosed, and if skin contact may occur: put on respiratory protective gloves for chemicals.

Eye protection: Goggles.

Keep the place of work clean. Avoid contact with product, change badly soiled or soaked clothing.

Wash hands before breaks and at end of work.



9. Physical and Chemical Properties

Physical form: White crystalline powder.

Odor: Odorless

Color: White

Melting point: 132-135

Boiling point: 228 (decompose); 153 (50 mmHg)

Solubility: Slightly soluble in water. One g dissolves in about 10 ml of alcohol and in about 20 ml of ether.

PH value: 4-5

Flash point: 127

Steam pressure: 1.33Pa/20 ; 6.66Kpa/143

Melting point: 133 °C

10. Stability and Reactivity.

Stability: Stable.

Combustion gases: In the event of fire, the formation of carbon dioxide, and water.

Solid product combustibility: Combustible.

Risk of dust explosion: some risk.

Impact sensitivity: not impact sensitive.

Decomposition point: 228

Risk of polymerization: will not occur.

11.Toxicological Information

Actue toxicity: LD50 4950 mg/kg (large mouse by mouth)

Irritability: Slight irritant.

Sensitization: non-sensitizing.

12. Ecological Information

Ecological datas are nor available, don't monitored into the environment.

13. Disposal Considerations

Package product waste, close and label the waste receptacles and , likewise, any uncleaned empty containers.

Dispose of them at a suitable waste incineration plant in accordance with the official regulations.



14. Transport information

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

no data available

14.7 Regulatory Information

IMO/IMDG: not regulated

15. Regulatory Information

IMDG NOT REGULATED

16. Other Information

Application: Food additives

The data given here is based on current knowledge and experience. The purpose of this safety data is to describe the products in terms of their safety requirements.

The data does not signify any warranty with regard to the products' properties.

