



ZHENGZHOU RUIPU BIOLOGICAL ENGINEERING CO., LTD
29, HUILAN ROAD, HI-TECH INDUSTRIES DEVELOPMENT ZONE,
ZHENGZHOU CHINA 450001

SAFETY DATA SHEET

SODIUM MALATE

Section 1 - Product and Company Information

Product Name	SODIUM MALATE
Brand	RUIPU
Company	Zhengzhou Ruipu Biological Engineering Co., Ltd.
Address	No.29,Huilan Road Hi-Tech Industries Development Zone Zhengzhou 450001 China
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Section 2 – Hazards Identification

HMIS RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

NFPA RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

Section 3 – Composition/Information on Ingredient

Substance Name

SODIUM MALATE

Formula C₄H₄Na₂O₅·3H₂O CAS No.64887-74-7

Molecular Weight 232.10

Section 4 – First Aid Measures

ORAL EXPOSURE

Wash out mouth with water.

INHALATION EXPOSURE

If inhaled, remove to fresh air.

DERMAL EXPOSURE

Wash skin.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

Section 5 – Fire Fighting Measures

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 – Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 – Handling and storage

HANDLING

User Exposure: Avoid inhalation. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed.

Section 8 – Exposure Controls / PPE

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

Section 9 – Physical/Chemical Properties

Appearance	Clarity to light yellow transparent liquid
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Items	Specifications
Identification	Passes test
Assay	98.0~102.0%
Loss on drying	20.5-23.5%
Alkaline	≤0.2%
Fumaric acid	≤1%
Maleic acid	≤0.05%
Lead	≤2.0mg/kg

Section 10 – Stability and Reactivity

STABILITY

Stable: Stable

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Iron oxides.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11 – Toxicological Information

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

TOXICITY DATA

N/A

Section 12 – Ecological Information

N/A

Section 13 – Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 – Transport Information

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport..

Sea Transport IMDG

The product is not subject to IMDG regulations.

Section 15 – Regulatory Information

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

CANADA REGULATORY INFORMATION

EHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

Section 16 – Other Information

Ecological Data: N/A

Hazardous Ingredients: N/A

References: Available on request