

# MATERIAL SAFETY DATA SHEET L-MAGNESIUM LACTATE

## SECTION 1- MATERIAL/COMPANY IDENTIFICATION

Company Name Musashino Chemical (China) Co., Ltd.  
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Charge Department Safety Management Department  
Responsibility for MSDS Safety Manager Fan Gui-Zeng  
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## SECTION 2- COMPSITION/INFORMATION ON INGREDIENTS

Chemical name Magnesium-L(S)-2-Hydroxy propionate  
Component 98%up  
Formula  $[\text{CH}_3\text{CH}(\text{OH})\text{COO}]_2\text{Mg}\cdot 2\text{H}_2\text{O}$   
Mol.W. 202.45(anhydrous)  
CAS NO. 18917-93-6

## SECTION 3- HAZARDS IDENTIFICATION

Hazards Ingestion may produce health damage. May cause eye irritation with susceptible persons.

Human health effects

Swallowed Accidental ingestion of the material may be harmful, animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual.

Eye Although the material is not thought to be an irritant, direct contact with the eye may produce transient discomfort characterized by tearing or conjunctival redness.

Skin The material is not thought to produce adverse health effects or skin irritation following contact. Nevertheless, good hygiene practice require that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

Inhaled The material is not thought to produce adverse health effects or skin irritation following contact. Nevertheless, good hygiene practice require that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Chronic health effects No human exposure data available



Environmental precautions	Prevent further leakage or spillage. Avoid generating dust
Methods for cleaning up	Place spilled material in clean, dry, sealable, labeled container Clean up the leaked place with plenty of water

## SECTION 7- HANDLING AND STORAGE

Handling	Keep the container well when handling. Handle the materials on clean clothes and in a cleaned room. Avoid dust formation
Storage	Keep container tightly closed. Keep in properly labeled containers. Store in areas shielded the light, and below room temperature. Keep away from strong acids and strong oxidisers
Packaging material	Plastic containers, Paper drum with plastic liner

## SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

TLV-TWA	10 mg/m <sup>3</sup> (Inhalable particulate)
TLV-TWA	3mg/m <sup>3</sup> (Respirable particulate)
OEL-Sweden, United Kingdom	10mg/m <sup>3</sup> total dust, 5 mg/m <sup>3</sup> respirable dust
Engineering measures to reduce exposure	Ensure adequate ventilation, especially in confined areas
Personal protection equipment	Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures	Set up safety shower, hands washer and eyes washer nearby handling the materials. Indicate the positions distinctly. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

## SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Crystalline/ powder
PH(1%)	< 7
Melting point	>200°C
Decomposition temperature	>200°C
Bulk Density	670~1000 kg/m <sup>3</sup>
Solubility	Soluble in water(1:2.5 cold, 1:3.5 heat)

## SECTION 10- STABILITY AND REACTIVITY

Stability	Stable at normal conditions. Avoid temperatures above 200°C Hazardous polymerization does not occur.
Materials to avoid	Avoid oxidizing agents, acid
Hazardous decomposition products	Carbon oxides

