

MATERIAL SAFETY DATA SHEET

L-SODIUM LACTATE

MSDS NO.006

SECTION 1- MATERIAL/COMPANY IDENTIFICATION

Chemical Name	Sodium-L(S)-2-Hydroxy propionate
Company Name	Musashino Chemical (China) Co., Ltd.
Address	No.66 Chunfeng Rd. Economic & Technological Development Zone of Yichun, Jiangxi. 336000 China
Charge Department for MSDS	Safety Management Department
Responsibility for MSDS	Fan Gui-Zeng
Tel.	+86-795-3156266
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SECTION 2- HAZARDS IDENTIFICATION

Hazards	May cause eye irritation with susceptible persons
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SECTION 3- COMPSITION/INFORMATION ON INGREDIENTS

Chemical name	Sodium -L(S)-2-Hydroxy propionate
Component	60% aqueous solution
Formula	CH ₃ CH(OH)COONa
Molecular Weight	112.06
CAS NO.	867-56-1

SECTION 4- FIRST AID MEASURES

General advice	Show this safety data sheet to the doctor in attendance.
Skin contact	Immediately remove all contaminated clothing, including footwear. Flush skin and hair with plenty of water or tepid water.
Eye contact	Immediately hold eyelids apart and flush eyes with plenty of water at least 15minutes. If irritation persists, call a physician.
Inhalation	Immediately remove to fresh air. If breathing is difficult, give oxygen, call a physician.
Ingestion	If swallowed, give plenty of water. If in doubt, Call a physician immediately.

SECTION 5- FIRE FIGHTING MEASURES

Specific hazards	Burning produces irritant fumes
Extinguishing media	Water, carbon dioxide (CO ₂), foam.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear personal protective equipment, Avoid contact with skin and eyes.
Environmental precautions	Prevent further leakage or spillage.
Methods for cleaning up	Burn in an incinerator after being absorbed with a combustible thing like a rag. 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. Avoid long storage times.
Packaging material	Polyethylene plastic containers etc.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

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	Colorless or practically colorless, slightly viscous liquid.
PH	6~8 (1→5)
Boiling point	110°C (60% solution)
Decomposition temperature	>200°C
Explosion limits	1.30~1.34g/ml (60% solution)
Solubility	Freely soluble in water
Viscosity	80~160 mPa.s @20°C

SECTION 10- STABILITY AND REACTIVITY

Stability	Stable at normal conditions. Hazardous polymerization does not occur.
Hazardous decomposition products	Carbon oxides

SECTION 11- TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 2000 mg/kg (rat intraperitoneall) LD50 2000 mg/kg (rat, oral)
Carcinogenicity	Bacterial mutagen city test: Negative
Local effects	May cause eye irritation with susceptible persons.

SECTION 12- ECOLOGICAL INFORMATION

Mobility	Completely soluble, readily biodegradable does not occur hazardous polymerization.
Chemical Oxygen Demand (COD)	0.53 g O ₂ /g
Biochemical Oxygen Demand (BOD) ₂₀	0.65 g O ₂ /g

SECTION 13- DISPOSAL CONSIDERATIONS

Contaminated packaging	Decontaminate empty containers with water, dilute with water and flush to waste system. Recycle containers if possible.
Further information	Treatment, storage, transportation, and disposal must be in accordance with local regulations.

SECTION 14- TRANSPORTATION INFORMATION

Transportations information	Sticking properly on label, indicating material name, lot No., net weight etc. The materials transportation by vehicles, the sender serves deliverers with instructions for safe handling. In transportation confirm leakless of the container, and load the materials not to upset, fall and damage. Secure preventing the load from falling.
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SECTION 15- REGULATORY INFORMATION

China Regulations	The safe use of chemicals regulation workplace China: Food additives (Food safety law) China: Cosmetics raw materials (Drug law) China: Medicament (CP)
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SECTION 16- OTHER INFORMATION

Revision Date	2020/06/01
EC-NO.	212-762-3
LD50	Median lethal dose