

MATERIAL SAFETY DATA SHEET

L-POTASSIUM LACTATE

MSDS NO.009

SECTION 1- MATERIAL/COMPANY IDENTIFICATION

Chemical Name	Potassium-L(S)-2-hydroxypropionate
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
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SECTION 2- HAZARDS IDENTIFICATION

Hazards May cause eye irritation with susceptible persons

SECTION 3- COMPSITION/INFORMATION ON INGREDIENTS

Chemical name	Potassium-L(S)-2-hydroxypropionate
Formula	CH ₃ CH(OH)COOK
Molecular Weight	128.17
CAS NO.	85895-78-9

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

Fire-fighting measures	Remove the fire, using a fire extinguisher
Extinguishing media	Water, carbon dioxide (CO ₂), foam.
Hazard property	Irritating smoke when burning

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

6~9 (1→5)

Boiling point

115°C (60% solution)

Decomposition temperature

>200°C

Solubility

Freely soluble in water

Viscosity

24~26 mPa.s @20°C

SECTION 10- STABILITY AND REACTIVITY

Stability

Stable at normal conditions. Avoid higher than 200°C

Hazardous decomposition products

Carbon oxides

Hazardous Polymerization

Non

SECTION 11- TOXICOLOGICAL INFORMATION

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)

0.47g O₂/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

Packing label Sticking properly on label, indicating material name, lot No., net weight etc.

Others 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.

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)

SECTION 16- OTHER INFORMATION

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