

MATERIAL SAFETY DATA SHEET L-POTASSIUM LACTATE

SECTION 1- MATERIAL/COMPANY IDENTIFICATION

Company Name Musashino Chemical (China) Co., Ltd.
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SECTION 2- COMPSITION/INFORMATION ON INGREDIENTS

Chemical name Potassium-L(S)-2-Hydroxy propionate
Component 60% aqueous solution
Formula $\text{CH}_3\text{CH}(\text{OH})\text{COOK}$
Mol.W. 128.17
CAS NO. 85895-78-9

SECTION 3- HAZARDS IDENTIFICATION

Hazards May cause eye irritation with susceptible persons

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 15 minutes. 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 (CO₂), 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 a incinerator after being absorbed with a combustile thing like a rage,
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

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 A colorless or yellowish , slightly viscous liquid. odorless or with a slight

PH 6~9

Boiling point 115°C (60% solution)

Decomposition temperature >200°C

Density(20°C) 1.32~1.35g/ml (60% Isolution)

Solubility Freely soluble in water

Viscosity 24~26 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

Carcinogenicity Bacterial mutagenicity 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) 0.47 g 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

Transportation 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.

SECTION 15- REGULATORY INFORMATION

SAFETY USING CHEMICAL REGULATORY IN WORKING SITE (CHINA)

EC Food Additive

USA FDA/ GRAS Status