

MATERIAL SAFETY DATA SHEET

L-AMMONIUM LACTATE

MSDS NO.015

SECTION 1- MATERIAL/COMPANY IDENTIFICATION

Chemical Name Ammonium-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 Safety Management Department
MSDS

Responsibility for MSDS Fan Gui-Zeng
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SECTION 2- HAZARDS IDENTIFICATION

Hazards Not applicable
Health Hazard Not applicable

SECTION 3- COMPSITION/INFORMATION ON INGREDIENTS

Chemical name Ammonium-L(S)-2-hydroxypropionate
Formula $\text{CH}_3\text{CHOHCOONH}_4$
Molecular Weight 107.11 (anhydrous)
CAS NO. 515-98-0

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, drink plenty of water or salt 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 combustible 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. 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 oxidizers.
Packaging material	Plastic containers, Paper drum with plastic liner.

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 liquid with a slight odor
PH	6~8
Boiling point	110°C (60% solution)
Decomposition temperature	>200°C
Density(20°C)	1.15~1.18 g/ml
Solubility	Freely soluble in water

SECTION 10- STABILITY AND REACTIVITY

Stability	Stable at normal conditions. Avoid temperatures above 200°C Hazardous polymerization does not occur.
Hazardous decomposition products	Not available

SECTION 11- TOXICOLOGICAL INFORMATION

Acute toxicity	Health injures are not known or expected under normal use
Local effects	May cause eye irritation with susceptible persons
Mutagenic properties	None
Carcinogenicity	None

SECTION 12- ECOLOGICAL INFORMATION

Mobility	Completely soluble, readily biodegradable does not occur hazardous polymerization.
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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)

SECTION 16- OTHER INFORMATION

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