

MATERIAL SAFETY DATA SHEET

L-CALCIUM 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
Emergency Tel. +86-791-5761055
MSDS Revision Date June 12, 2010

SECTION 2- COMPSITION/INFORMATION ON INGREDIENTS

Chemical name Calcium-L(S)-2-Hydroxy propionate
Component 98%up
Formula $[\text{CH}_3\text{CH}(\text{OH})\text{COO}]_2\text{Ca}\cdot n\text{H}_2\text{O}$
Mol.W. 218.22(anhydrous)
CAS NO. 28305-25-1

SECTION 3- HAZARDS IDENTIFICATION

Hazards Not applicable

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 extinguish Use water spray or extinguishing media
Extinguishing media Carbon dioxide(CO₂), foam

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation, Wear personal protective

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

SECTION 11- TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 140 mg/kg bw. (mouse, ivll)
Sub-chronic toxicity	After free taking drinking water added 0.3, 0.6, 1.25, 2.5, 5% calcium lactate for 13 weeks, there is no change that should be write
Chronic toxicity	Free taking drinking water added 2.5% calcium lactate for 104 weeks is not effective
Carcinogenicity	Bacterial mutagenicity test: Negative

SECTION 12- ECOLOGICAL INFORMATION

Mobility	Completely soluble, readily biodegradable, does not occur hazardous polymerization.
Chemical Oxygen Demand (COD)	0.86 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

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.
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SECTION 15- REGULATORY INFORMATION

SAFETY USING CHEMICAL REGULATORY IN WORKING SITE (CHINA)
CHINA Food Additive (Food Sanitation Law)

