



# MATERIAL SAFETY DATA SHEET

L-ZINC LACTATE

## SECTION 1- MATERIAL/COMPANY IDENTIFICATION

Company Name Musashino Chemical (China) Co., Ltd.  
Head Office No. 239 Huiran Av. Xiaolan Economy Development Zone of  
Nanchang, Jiangxi, 330200 China  
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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 Zinc-L(S)-2-Hydroxy propionate  
Component 98%up  
Formula  $[\text{CH}_3\text{CH}(\text{OH})\text{COO}]_2\text{Zn}\cdot 2\text{H}_2\text{O}$   
Mol.W. 243.54(anhydrous)  
CAS NO. 103404-76-8

## SECTION 3- HAZARDS IDENTIFICATION

Most important hazards Harmful if swallowed  
Specific 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 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 Thermal decomposition can lead to release of irritating gasses  
and vapours  
Fire extinguish Use water spray or extinguishing media  
Extinguishing media Carbon dioxide(CO<sub>2</sub>), foam



## 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	ZnO, Carbon oxides

## SECTION 11- TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 500~2000 mg/kg (rat oral) LDLo 45 mg/kg (mouse intravenous)
Local effects	Harmful if swallowed 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)	0.73 g O <sub>2</sub> /g
Ecotoxicity	EC50/48h/Daphnia=8.3 mg/L LC50/96h/zebrafish= 100mg/L Er50/96h/green algae=520 microgram/L

## 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)