

MATERIAL SAFETY DATA SHEET

ZINC STEARATE

1.0 Chemical Product and Company Identification

Product Name: Zinc Stearate

Company Name: XINXIANG YANGYUAN CHEMICAL CO., LTD.

8 South-Round Road, Xiao Ji Town, Xinxiang, Henan, China 453731.

Tel (0086) 373-5593565 Fax (0086) 373-5599565

Emergency/Technical (0086) 373-5593565

2.0 Composition/Information on Ingredients

CAS#	Chemical Name	content	EINECS#
557-05-1	Zinc stearate	99 min.	209-151-9

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

3.0 Hazard Identification/ Potential Health Effects

EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract.

Inhalation: May cause respiratory tract irritation.

Chronic: Chronic exposure may cause lung damage.

4.0 First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately.

Notes to Physician: Treat symptomatically and supportively.

5.0 Fire Fighting Measure

General Information:

XINXIANG YANGYUAN CHEMICAL CO., LTD.

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

6.0 Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Avoid generating dusty conditions.

7.0 Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage: Store in a cool, dry place. Store in a tightly closed container.

8.0 Exposure Controls, Personal Protection

Engineering Controls: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

9.0 Physical and Chemical Properties

Physical State: Powder

Color: white

Odor: Not available.

PH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 118 - 125 deg C

Autoignition Temperature: 790 deg C (1,454.00 deg F)

Flash Point: > 100 deg C (> 212.00 deg F)

Explosion Limits, lower: 30 Vol %

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water: Insoluble.

Specific Gravity/Density:

Molecular Formula: C₃₆H₇₀O₄Zn

Molecular Weight: 632.34

10.0 Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong acids.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, zinc oxides.

Hazardous Polymerization: Has not been reported

11.0 Toxicological Information

RTECS#:

CAS# 557-05-1: ZH5200000 LD50/LC50:

CAS# 557-05-1: Oral, mouse: LD50 = >10 gm/kg; Oral, rat: LD50 = >10 gm/kg.

Carcinogenicity:

Zinc stearate - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

12.0 Ecological Information

No information available.

13.0 Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

14.0 Transportation Information

IATA

Not regulated as a hazardous material

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

15.0 Regulatory Information

European/International Regulations

XINXIANG YANGYUAN CHEMICAL CO., LTD.

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 557-05-1: No information available.

16.0 Other Information

Prepared By: Lv Minglei

Manager, Environmental, Health & Safety

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Xinxiang Yangyuan Chemical Co., Ltd. makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendations and assumes no liability to any user thereof.