



# Zinc Stearate

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name: Zinc Stearate  
CAS Number: 91051-01-3  
EC Number: 293-049-4

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: Lubricant release additive

### 1.3 Details of the supplier of the safety data sheet

Company name: East Harbour Group Ltd  
20 Clough Road, Severalls Industrial Park  
Colchester, Essex, CO4 9QS  
United Kingdom

Telephone: +44 (0) 333 242 0100  
Email: [info@eastharbourgroup.com](mailto:info@eastharbourgroup.com)

### 1.4 Emergency telephone number

Emergency telephone: 0800 246 1274

## Section 2: Hazardous identification

### 2.1 Classification of the substance or mixture

Classification according to Directive (CE) 1272/2008: Not classified

### 2.2 Label elements

Labelling according to Directive (CE) 1272/2008 (GHS):

H-phrases: n/a

P-phrases: n/a

## Section 3: Composition/information on ingredients

### 3.2 Mixtures

CAS #	Content (W/W)	Ingredients
91051-01-3	100	Fatty acids, C16-18 zinc salts

Chemical name: Zinc Stearate

Common name / synonyms: n/a



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## Section 4: First aid measures

### 4.1 Description of first aid measures

In case of skin contact: Remove contaminated clothing immediately and dispose of it in a controlled way

If swallowed: Rinse mouth and drink water

If inhaled: Not necessary

If in eye: Because of mechanical irritation, wash with plenty of water for 10-15 minutes

## Section 5: Fire-fighting measures

### 5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: Foam, dry powder, chemical powder, carbon anhydride, water spray

Unsuitable extinguishing media: Water jet

Special hazards: The fumes may contain magnesium oxide. Do not breathe the fumes, vapours or dust

Advice for firefighters: Respirator (filter P2)

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Prevent dust formation. Remove ignition sources – do not smoke

### 6.2 Environmental precautions

Keep out of sewers, drains, surface and underground water and the ground.

### 6.3 Methods and material for containment and cleaning up

Spray spilled material with water and take it up mechanically. Store in a closed container.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

The usual precautionary measures have to be applied when dealing with chemicals. Prevent dust depositing.

Take preventive measures against dust explosion. Keep away from ignition sources.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in closed original packaging in dry conditions at room temperature, away from direct sunlight and strong odours.

## Section 8: Exposure controls/personal protection

### 8.1 Personal protective equipment

Respiratory: Use approved breathing mask (P2) filter)

Hand: Gloves

Eye: Safety goggles

Skin: Protective work clothing



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Do not eat, drink or smoke during handling. Wash hands before breaks. Change contaminated clothing. Clean whole body after working.

Preventive skin-care lotion is recommended. Use anti-static working shoes.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	White
<b>Physical State</b>	Powder
<b>Odor</b>	Typical
<b>Odor Threshold</b>	No information available
<b>pH</b>	No information available
<b>Melting Point/Range</b>	Approx. 122 C
<b>Boiling Point/Range</b>	No information available
<b>Flash Point</b>	No information available
<b>Evaporation Rate</b>	No information available
<b>Ignition Temperature</b>	435 C
<b>Autoignition</b>	420 C
<b>Explosion Limits</b>	Lower: 30 g/m3 Upper: n/a
<b>Vapor Pressure</b>	No information available
<b>Vapor Density (20C)</b>	Approx. 1,02 g/ml
<b>Specific Gravity / Density</b>	No information available
<b>Bulk Density</b>	No information available
<b>Water Solubility</b>	Negligible
<b>Solubility in other solvents</b>	Fat: n.d
<b>Partition Coefficient</b>	No information available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available

## Section 10: Stability and Reactivity

<b>10.1 Reactivity</b>	No information available
<b>10.2 Chemical Stability</b>	Stable if used in accordance with recommendations
<b>10.3 Possibility of hazardous reactions</b>	No information available
<b>10.4 Conditions to avoid</b>	No information available
<b>10.5 Incompatible materials</b>	No information available
<b>10.6 Hazardous decomposition products</b>	Stable at normal storage and handling temperature
<b>10.7 Additional information</b>	Dust-air mixture can explode



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## Section 11: Toxicological Information

Acute toxicity (LD50, LC50): LD50 oral-rat > 5 g/kg

Irritation: n.d.

Sensitisation: n.d.

Chronic toxicity: n.d.

Route of entry: Inhalation of dust and ingestion

Additional information: No adverse effects are known when used appropriately

## Section 12: Ecological Information

### Ecotoxicity

Fish toxicity: n.d.

Bacteria toxicity (EC50) : 1560 mg/L

Alga toxicity (LC50) : n.d.

Daphnia toxicity (LC50) : n.d.

### Mobility

Toxicity: 0,9 mg/L

### Persistence and degradability

Biodegradability:

DQO : 145 mg O<sub>2</sub>/g

DBO<sub>5</sub> : 20 mg O<sub>2</sub>/g

DBO<sub>28</sub> : 135 mg O<sub>2</sub>/g

### Bio-accumulative potential

Distribution coefficient N-Octanol/Water: 1,2

### Other adverse effects

Water contamination class: nwg (not hazardous for water); Annex 1 VwVwS

## Section 13: Disposal considerations

**Product:** Dispose of the product according to regulations. Waste disposal by controlled incineration or designated landfill subject to applicable regulations.

**Packaging:** Controlled disposal according to regulations.

## Section 14: Transport Information

Not subject to transport regulations.



## Zinc Stearate

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

### Section 15: Regulatory Information

EU Labelling : Not classified.

International lists : n.a.

SARA 302/304 : n.a.

SARA 304 RQ : n.a.

SARA 311/312 : n.a.

Composition/information on ingredients : No products were found.

