



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
Miranda House, The Quay
Harwich, Essex, CO12 3HH
United Kingdom

Telephone: +44 (0) 333 242 0100
Email: 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

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

Section 10: Stability and Reactivity

10.1 Reactivity	No information available
10.2 Chemical Stability	Stable if used in accordance with recommendations
10.3 Possibility of hazardous reactions	No information available
10.4 Conditions to avoid	No information available
10.5 Incompatible materials	No information available
10.6 Hazardous decomposition products	Stable at normal storage and handling temperature
10.7 Additional information	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 O₂/g

DBO₅ : 20 mg O₂/g

DBO₂₈ : 135 mg O₂/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.



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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.

