

SAFETY DATA SHEET (SDS)

ZINC STEARATE LIQUID DISPERSION (40% IN WATER)

Version 1.0 | Revision Date: 28.04.2025

1. Identification of the Substance/Mixture and of the Company/Undertaking

Product Identifier:

- Trade Name: Zinc Stearate Liquid Dispersion
- CAS Number (Zinc Stearate): 557-05-1
- Chemical Name/Synonyms: Zinc salt of stearic acid dispersed in water

Relevant Identified Uses:

- Recommended Use: Release agent, mold release in rubber processing
- Restrictions on Use: Industrial use only

Supplier Details:

- Company: Nimbasia Stabilizers
- Address: F-172(A&B), F-173, Indraprastha Industrial Area, Road No. 3, Kota – 324005
- Telephone: +91 8890965454 / +91 9983306543
- Email Address: info@nimbasia.com
- Responsible Person: Product Safety Department

Emergency Telephone Number:

- +91 8890965454 / +91 9983306543
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2. Hazards Identification

Classification:

- Not classified as hazardous under GHS standards.
- Combustible dust hazard if dried.

Label Elements:

- Signal Word: Warning
- Hazard Statements:
 - May form combustible dust concentrations in air when dried.
 - May cause mild eye, skin, or respiratory irritation.

Other Hazards:

- Spilled product may create slipping hazard.

3. Composition/Information on Ingredients**Substance CAS Number Content (%)**

Zinc Stearate 557-05-1 ~40%

Dispersant Proprietary ~2%

Surfactants Proprietary ~1.5%

Water 7732-18-5 Balance

4. First Aid Measures

- **General Advice:** Consult a physician. Show this SDS to the doctor in attendance.
- **Inhalation:** Move to fresh air. Seek medical attention if respiratory irritation persists.
- **Skin Contact:** Wash thoroughly with soap and water. Seek medical advice if irritation develops.
- **Eye Contact:** Flush eyes thoroughly with water for at least 15 minutes.
- **Ingestion:** Rinse mouth. Do NOT induce vomiting.

5. Firefighting Measures

- **Extinguishing Media:** Water spray, foam, dry powder, carbon dioxide (CO₂).
- **Special Hazards:** Dried material may form combustible dust.
- **Protective Equipment:** Full protective clothing and SCBA required.

6. Accidental Release Measures

- **Personal Precautions:** Wear suitable protective equipment. Avoid mist formation.
 - **Environmental Precautions:** Prevent entry into drains, waterways, and soil.
 - **Cleanup Methods:** Contain spill. Absorb with inert material (sand, vermiculite). Collect mechanically.
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7. Handling and Storage

- **Handling:** Avoid mist formation. Ensure good ventilation. Use PPE.
 - **Storage:** Store between 5°C and 35°C in tightly closed containers. Protect from freezing.
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8. Exposure Controls/Personal Protection

- **Exposure Limits:**
 - ACGIH TLV for Zinc Stearate (dust): 10 mg/m³ (Total Dust)
 - **Engineering Controls:** Use adequate ventilation.
 - **Personal Protective Equipment:**
 - Eyes: Safety glasses
 - Hands: Protective gloves
 - Skin: Protective clothing
 - Respiratory: NIOSH-approved respirator if ventilation is inadequate
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9. Physical and Chemical Properties

Property	Value
Appearance	Milky white liquid
Odor	Slight fatty odor
pH	~8.0
Density	~1.10 g/cm ³
Solubility	Zinc stearate insoluble in water (dispersion stable)
Melting Point	Not applicable
Flash Point	Not applicable (water-based)

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Freezing, overheating, drying.
- **Incompatible Materials:** Strong oxidizing agents.

- **Hazardous Decomposition Products:** Zinc oxide, carbon dioxide (CO₂), carbon monoxide (CO).
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11. Toxicological Information

- Mild irritation to eyes, skin, respiratory tract possible.
 - No known chronic health effects.
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12. Ecological Information

- Not classified as hazardous to the environment.
 - Persistence and degradability: Expected to be stable.
 - Bioaccumulation: Not expected.
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13. Disposal Considerations

- Dispose of contents/container in accordance with local, regional, national, and international regulations.
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14. Transport Information

Category	Status
UN Number	Not regulated
Transport Hazard Class	Not regulated
Packing Group	Not applicable
Marine Pollutant	No

15. Regulatory Information

- TSCA: All components listed.
 - SARA 311/312: Fire hazard if dried.
 - California Proposition 65: No listed substances present.
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16. Other Information

- **NFPA Rating:**



- Health: 1
- Flammability: 1
- Reactivity: 0

Disclaimer:

The information provided is correct to the best of our knowledge at the date of publication. No warranty, expressed or implied, is made as to its accuracy or completeness.