

Material Safety Data Sheet



PRODUCT NAME: ZINC STEARATE POWDER - TALLOW BASED

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: ZINC STEARATE POWDER - TALLOW BASED
CAS #: 557-05-1
DATE: December 9, 2009

DISTRIBUTOR: ACME-HARDESTY COMPANY
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Blue Bell, PA 19422

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PRODUCT NAME: ZINC STEARATE TALLOW BASED GRANULAR

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

COMPONENTS	CAS#	%
Zinc Stearate	557-05-1	100

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

PHYSICAL HAZARDS: Explosive hazard when concentrated dust is present.

HEALTH HAZARDS: Irritant.

EXPOSURE LIMITS:

OSHA Permissible Exposure Limit (PEL): 15 mg/m³ total dust. ACGIH Threshold Limit Value (TLV): 10 mg/m³ for total dust for Stearates.

ROUTES OF EXPOSURE:

SKIN ABSORPTION: May cause irritation with symptoms of redness, swelling, itching and pain.

EYE CONTACT: Eye contact may cause irritation with symptoms of redness and pain.

INGESTION: Large dose may cause abdominal spasms and diarrhea.

INHALATION: Symptoms from excessive inhalation of dust may include coughing and difficult breathing.

OVER-EXPOSURE EFFECTS: Persons with pre-existing skin disorders, impaired respiratory function, or a history of pulmonary disease should not be exposed to dusts.

FIRST AID MEASURES

- SKIN:** Immediately remove any contaminated clothing. Wash contaminated area thoroughly with soap and copious amounts of water for at least 15 minutes. If irritation or adverse symptoms develop seek medical attention.
- EYES:** Remove any contact lenses at once. Flush eyes with water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. If irritation or adverse symptoms develop seek medical attention.
- INGESTION:** Contact a physician, hospital or Poison Control Center at once.
- INHALATION:** Remove to fresh air, if coughing, breathing becomes labored, irritation develops or other symptoms develop, seek medical attention at once, even if symptoms develop several hours after the exposure.

FIRE FIGHTING MEASURES

- FLASH POINT:** >350°F (177°C), C.O.C.
- FLAMMABLE LIMITS:** Not established.
- AUTO IGNITION TEMP.:** >700°F (371°C)
- FIRE EXTINGUISHER MEDIA:** Water spray, foam, carbon dioxide or dry chemical.
- SPECIAL FIRE-FIGHTING PROCEDURES:**
Burning will produce toxic fumes. Firemen should be equipped with SCBA with a full face piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment.
- UNUSUAL FIRE/EXPLOSION HAZARDS:**
Concentrated dust may present an explosion hazard

ACCIDENTAL RELEASE MEASURES

- STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASES:**
Remove all sources of ignition.
Ventilate area of leak or spill.
Wear appropriate personal protective equipment as specified in exposure control/personal protection.
Clean up spills in a manner that does not disperse dust into the air.
Use non-sparking tools and equipment.
Reduce airborne dust and prevent scattering by moistening with water.
Pick up spill for recovery or disposal and place in a closed container.

HANDLING & STORAGE

- HANDLING:** Avoid dust formation and control ignition sources.
Employ grounding, venting and explosion relief provisions in accord with accepted engineering practices in any process of capable of generating dust and/or static electricity.
Empty only into inert or non-flammable atmosphere.
Emptying contents into a non-inert atmosphere where flammable vapors may be present could cause a flash fire or explosion due to electrostatic discharge.
DO NOT USE NEAR FOOD OR DRINK.
Avoid eye contact.
Use with adequate ventilation.
Wear personal protection equipment recommended in Personal Protection Section.
Reseal containers immediately after use.
- STORAGE:** Keep in a tightly closed container, stored in a cool, dry, ventilated area.
Protect against physical damage.
DO NOT STORE WITH FOOD OR DRINK.

OTHER PRECAUTIONS: Use good personal hygiene practices.
Wash hands before eating, drinking, smoking, or using toilet facilities.
Containers of this material may be hazardous when empty since they retain product residues (dust, solids)
observe all warnings and precautions

EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Work ambient concentrations should be monitored and if airborne concentrations are expected to exceed acceptable levels wear a NIOSH/MSHA approved dust air-purifying respirator. When using respirators, refer to OSHA's 29CFR 1910.134.

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure.

EYE PROTECTION: Safety goggles recommended. Permanent eyewash is highly recommended.

OTHER: Emergency showers and eye wash stations should be available.

PHYSICAL / CHEMICAL CHARACTERISTICS

APPEARANCE AND ODOR: Fine white powder with slight fatty odor.

BOILING POINT: Not established

VAPOR PRESSURE: Not established

EVAPORATION RATE: <1 (ethyl ether = 1)

VAPOR DENSITY: Not established

% VOLATILE BY VOLUME: 1.0 Moisture

SPECIFIC GRAVITY: 1.0

SOLUBILITY IN WATER: Insoluble

FLASH POINT: >350°F (177°C), C.O.C.

FLAMMABLE LIMITS: Not established

STABILITY & REACTIVITY

INCOMPATIBILITY (Material to Avoid): Avoid contact with oxidizers, strong alkalis, peroxides, and acids.

STABILITY: Stable under ordinary conditions of use and storage

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and zinc oxides

HAZARDOUS POLYMERIZATION: Will not occur

TOXICOLOGICAL INFORMATION

HAZARD DATA:

INHALATION: Mammal (species unspecified)--LC: >1241 mg/m³/4H.

INTRAPERITONEAL: Mouse--LD50: 354 mg/kg.

INTRATRACHEAL: Rat--LDLo: 250 mg/kg.

ORAL: Mouse and Rat--LD50: >10 gm/kg.

ECOLOGICAL INFORMATION

No data is available on the preparation itself.
The product should be prevented from entering drains, sewers, streams, etc.

DISPOSAL CONSIDERATIONS

Prevent material from entering drains, sewers, streams, etc.
Immediately dispose of waste material in accordance with federal, state and local regulations.

TRANSPORT INFORMATION

FOR DOMESTIC: No DOT Label Required

NMFC CLASSIFICATION: Metallic Soaps of Fatty Acid
Item # 45230, Class 65

REGULATORY INFORMATION

The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

COMPONENTS	CAS#	%
Zinc Stearate	557-05-1	100

REPORTABLE QUANTITY: Not applicable.

INVENTORIES: The ingredients in this product are listed on the following inventories -

AICS: Australian Inventory of Chemical Substances
DSL: Canadian Domestic Substances List
IECSC: Chinese Inventory of Existing Chemical Substances Manufactured or Imported in China
EINECS: European Inventory of Existing Commercial Chemical Substances
ENCS: Japanese Existing and New Chemical Substances
ECL: Korean Existing Chemicals List
PICCS: Philippines Inventory of Chemicals and Chemical Substances
TSCA: US Toxic Substances Control Act

STATUS OF CARCINOGENICITY: Not recognized as a carcinogen by the IARC, NTP or OSHA.

OTHER INFORMATION

NFPA RATING: Health: 0
Flammability: 1
Reactivity: 0

HMIS RATING: Health: 0
Flammability: 1
Reactivity: 0

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage and use of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product.

Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.