

Material Safety Data Sheet



PRODUCT NAME: ALUMINUM DI STEARATE TALLOW

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: ALUMINUM DI STEARATE TALLOW
CAS#: 300-92-5
EINECS#: 2061018
DATE: August 16, 2012

DISTRIBUTOR: ACME-HARDESTY COMPANY
ADDRESS: 450 Sentry Parkway
Blue Bell, PA 19422

TELEPHONE: (866) 226 – 3834
FAX: (215) 591 – 3620
EMERGENCY: CHEMTREC (800) 424-9300

COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION: Contains aluminum salt(s) of fatty acid(s) C12-C18
HAZARDOUS COMPONENTS: Not applicable

HAZARDS IDENTIFICATION

NOT APPLICABLE

FIRST AID MEASURES

EYES: Flush eyes with profuse water. Remove any contact lenses to ensure thorough flushing.
SKIN CONTACT: Clean contaminated skin by washing with water and soap. Remove contaminated clothing.
INGESTION: If swallowed, see a physician and present this data sheet.
INHALATION: Remove from exposure. Restore breathing, keep at rest.
MEDICAL ADVICE: The preparation contains aluminum compounds which have negligible solubility in water but can be made soluble by acid.

FIRE & EXPLOSION DATA

EXTINGUISHING MEDIA: Water, dry chemical, foam, sand (To avoid using carbon dioxide as media)
SPECIAL EXPOSURE HAZARDS: Not applicable
SPECIAL PROTECTIVE EQUIPMENT: Breathing apparatus with self-containing air circulatory system.

ACCIDENTAL RELEASE MEASURES

Avoid raising dust clouds.
Keep out of sewers and other public water systems.
Clean mechanically, collect in a sealed container and label it.

HANDLING & STORAGE

HANDLING PRECAUTIONS: Avoid raising dust clouds as it may cause dust explosion.
FIRE PREVENTION: Keep away from open flame.
STORAGE CONDITIONS: Store in a dry place at ambient temperature.

EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES: Use adequate ventilation. (TWA value: 10mg/m3)

PROTECTIVE CLOTHING:

EYES: Goggles
SKIN: Protect body against dust
HANDS: Neoprene or nitrile rubber gloves
RESPIRATORY: Half mask without cartridge or respirator for fine dust.

PHYSICAL & CHEMICAL PROPERTIES

TYPICAL PROPERTIES:

APPEARANCE: White powder
ODOR: Faint fatty odor
MELTING POINT, °C: 150 - 175
OXIDIZING PROPERTIES: None

RISK OF EXPLOSION:

PRODUCT: None
DUST-AIR MIXTURE: Yes

EXPLOSIVE PROPERTIES:

UEL / LEL: Not applicable
DENSITY (20°C): Yes

SOLUBILITY:

WATER SOLUBILITY: Negligible

STABILITY & REACTIVITY

CONDITIONS TO AVOID: Dust formation
MATERIALS TO AVOID: Strong oxidizing agents e.g. hydrogen peroxide, chromic acid, etc.
HAZARDOUS DECOMPOSITION: Non hazardous carbon dioxide and water are released at very high temperature.

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: LD50 (oral, rat): Not applicable
IRRITATION: Eye / rabbit: Not irritant
Skin / rabbit: Not irritant
SENSITIZATION: Skin / guinea-pig: No contract hypersensitivity
ROUTES OF EXPOSURE: By inhalation, swallowing or skin contact of dust, fume mist or vapors.

ECOLOGICAL INFORMATION

It was known as lower risk chemical. The national and local regulations for the protection of the environment have to be observed.
WATER SOLUBILITY: 4.7 mg/L
DISTRIBUTION COEFFICIENT
N-OCTANOL / WATER: 0.027
BIODEGRADABILITY (23 days): 6.5
DQO: 3100 mg O₂/g
DBO₅: Not determined
DBO₂₈: 202 mg O₂/g
FISH TOXICITY (LC₅₀): >100 mg/L
BACTERIA TOXICITY (EC₅₀): 12000 mg/L
ALGA TOXICITY (LC₅₀): Not determined
DAPHNIA TOXICITY (LC₅₀): Not determined
WATER CONTAMINATION CLASS: WGK 0 (Generally not hazardous for aquatic organisms)

The national and local regulations for the protection of the environment must be observed.

DISPOSAL CONDITIONS

PRODUCT: Dispose of in accordance with local, state, and federal regulations.
CONTAMINATED PACKAGING: Packaging material contaminated with residues has to be treated as the product itself.
Designated landfill subject to applicable local, state and federal regulations.

TRANSPORT INFORMATION

Is this component regulated for transport under DOT, TDG, IATA, or IMDG? No
Proper Shipping Name: Aluminum Stearate
Technical Name: Aluminum Stearate
UN#: Not applicable

REGULATORY INFORMATION

CHEMICAL INVENTORY STATUS:
TSCA (USA): Yes
EINECS (EUROPE): Yes
DSL (CANADA): Yes
NDSL (CANADA): No
AICS (AUSTRALIA): Yes

REGULATORY INFORMATION, cont'd

TITI, ENCS (JAPAN): Yes
ECL (KOREA): Yes
PICCS (PHILLIPINES): Yes
IECSC (CHINA): Yes
NEW ZEALAND: No

TSCA	Is any component subject to TSCA 12(b) notification?	No
SARA	Is any component SARA 313 reportable?	No
CERCLA	Is any component reportable under CERCLA or Extremely Hazardous Substances?	No
OSHA	Is this material considered hazardous under OSHA?	No
RCRA	Is this material considered a hazardous waste under RCRA?	No
CLEAR AIR ACT:	Is any component considered a VOC under Section 111 of the Clean Air Act?	No
	Is any component a listed Hazardous Air Pollutant under Section 112?	No

STATE RIGHT TO KNOW:

CALIFORNIA PROP 65:

Is any component reportable as a carcinogen or reproductive toxin? No

OTHER:

Is any component regulated under any state right-to-know lists (e.g. Mass., NJ, PA)? No

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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.