



Material Safety Data Sheet

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

Product Name: Aluminum Stearate—Tallow
CAS#: 300-92-5
Distributor: MCKINLEY RESOURCES
Address: PO Box 810472, Dallas, TX 75381
Phone Number: 972-620-9730

COMPOSITION / INFORMATION ABOUT COMPONENTS

NAME: Aluminum salt of fatty acids C12-C18
CAS #: 97404-28-9 (300-92-5)
EINECS #: 306-792-7 (206-101-8)

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

When used appropriately, no adverse effects are known to be caused by the product.

FIRST AID MEASURES

INHALATION: Not necessary
SKIN: Wash with water.
INGESTION: Because of mechanical irritation, wash with plenty of water for 10-15 minutes.
EYES: Rinse out mouth and drink water.

FIRE -FIGHTING MEASURES

SUITABLE EXTINGUISHING METHODS:

Dry foam, chemical powder, carbon anhydride, water spray

METHODS NOT SUITABLE FOR SAFETY REASONS:

Water jet.

SPECIAL EXPOSURE HAZARDS:

The fumes may contain aluminum oxide. Do not breathe the fumes, vapors or dust.

SPECIAL PROTECTIVE EQUIPMENT:

Respirator.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Prevent dust formation. Remove ignition sources – do not smoke.
ENVIRONMENTAL PRECAUTIONS: Keep out of sewers, drains, surface and underground water and ground.
METHODS FOR CLEAN-UP: Spray spilled material with water and take it up mechanically. Store in a closed container.

HANDLING & STORAGE

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.
STORAGE: Store in dry conditions at room temperature.
SPECIFIC USES: Lubricant release additive.

EXPOSURE CONTROLS / PERSONAL PROTECTION

TLV – TWA (mg/m³ MAK): 6

PERSONAL PROTECTION EQUIPMENT:

Respiratory: Particle filter P1
Hand: Gloves
Eye: Goggles
Skin: Overall

SPECIFIC HYGIENE METHODS:

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

ADDITIONAL INFORMATION:

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

REACTIVITY DATA

CONDITIONS TO AVOID: Sources of ignition. Dust formation.
MATERIALS TO AVOID: None.
DECOMPOSITION PRODUCTS: Stable at normal storage and handling temperature.
ADDITIONAL INFORMATION: Dust-air mixture can explode.

DISPOSAL CONDITIONS

PRODUCT: Dispose of the product in accordance with local, state and federal regulations. Waste disposal by controlled incineration.
PACKAGING: Contaminated packaging material is hazardous to health or environment. Controlled disposal according to applicable local, state and federal regulations.

PHYSICAL/CHEMICAL CHARACTERISTICS

PHYSICAL FORM:

Appearance: Powder
Color: White
Odor: Typical

PROPERTIES:

Melting Point, °C: 145 approx.
Freezing Point, °C: Not applicable
Cloud Point,: Not applicable
Boiling Point: Not applicable
Flash Point, °C: >200 DEG F
Ignition Temp: 365°C
Autoignition: 120°C
Oxidizing Properties: None
Danger of Explosion:
 Product: No
 Mix powder/air: Yes
LEL/UEL: 30 / Not applicable
Vapor Pressure: Not applicable
Density (20°C): 1.01 approx.
Apparent density, g/mL: 0.28 approx.
Solubility (20°C):
 Water: Negligible
 Fat: Not determined
pH (20°C, H2O): Not applicable

TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: LD50 oral-rat: >2g/Kg
IRRITATION: Not determined
SENSITIZATION: Not determined
CHRONIC TOXICITY: Not determined
ROUTE OF ENTRY: Inhalation of dust and ingestion
ADDITIONAL INFORMATION: No adverse effects are known when used appropriately.

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

ECOLOGICAL INFORMATION

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

ECOLOGICAL INFORMATION, cont.

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.

REGULATORY INFORMATION

CHEMICAL INVENTORY STATUS:

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