



Aluminum Di Stearate Tallow

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
 Revision Date: 05/22/2015 Date of Issue: 08/16/2012

Version: 2.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier

Product Form: Substance

Product Name: Aluminum Di Stearate Tallow

CAS No: 300-92-5

Synonyms: Al Di Stearate; Aluminum Salt of Stearic Acid, tallow based

Other means of identification: Contains aluminum salt(s) of fatty acid(s) C12-C18

1.2. Intended Use of the Product

Use of the substance/mixture: Per FDA: Adhesives; Resinous and polymeric coatings; Components of paper and paperboard in contact with aqueous and fatty foods; Defoaming agents used in coatings; Defoaming agents used in the manufacture of paper and paperboard; Cellophane - Fatty Acids derived from animal or vegetable fats and oils, and the following salts of such acids, single or mixed: calcium; Rubber articles intended for repeated use - Plasticizers (total not to exceed 30 percent by weight of rubber product unless otherwise specified); Antioxidants and/or stabilizers for polymers; Surface lubricants used in the manufacture of metallic articles; Stabilizers

1.3. Name, Address, and Telephone of the Responsible Party

Company

Acme-Hardesty Co
 450 Sentry Parkway
 Blue Bell, PA 19422
 T 866-226-3834 T 215-591-3610
 www.acme-hardesty.com

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Comb. Dust

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling

Signal Word (GHS-US) : Warning

Hazard Statements (GHS-US) : May form combustible dust concentrations in air

2.3. Other Hazards

No additional information available

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Name : Aluminum Di Stearate Tallow

CAS No : 300-92-5

Name	Product Identifier	%	Classification (GHS-US)
Aluminum, hydroxybis(octadecanoato-O)-	(CAS No) 300-92-5	100	Comb. Dust

3.2. Mixture

Not applicable

Full text of H-phrases: see section 16

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SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

First-aid Measures After Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Wash with plenty of soap and water. Seek medical attention if ill effect or irritation develops.

First-aid Measures After Eye Contact: Obtain medical attention if irritation develops or persists. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

First-aid Measures After Ingestion: This product is intended for food use. Ingestion is not expected to be harmful. Seek medical attention if a large amount is swallowed.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/Injuries: None expected under normal conditions of use.

Symptoms/Injuries After Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/Injuries After Skin Contact: Not irritating to skin.

Symptoms/Injuries After Eye Contact: Prolonged contact with large amounts of dust may cause mechanical irritation.

Symptoms/Injuries After Ingestion: Ingestion is not expected to be harmful.

Chronic Symptoms: None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, dry chemical. Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use water jet. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Metallic dusts may ignite or explode.

Explosion Hazard: Dust clouds can be explosive. Dust explosion hazard in air.

Reactivity: No reactivity hazard.

5.3. Advice for Firefighters

Precautionary Measures Fire: Do not breathe fumes from fires or vapors from decomposition.

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all unnecessary exposure. Avoid breathing (dust, vapor, mist, gas).

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Ventilate area. Eliminate ignition sources. Stop leak if safe to do so.

6.2. Environmental Precautions

Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Place spilled material into a container. Avoid actions that cause dust to become airborne. Avoid inhalation of dust. Wear appropriate protective equipment as described in Section 8. Do not wash product down sewage and drainage systems or into bodies of water (e.g. streams).

Methods for Cleaning Up: Avoid actions that cause dust to become airborne during clean-up such as dry sweeping or using compressed air. Use HEPA vacuum or thoroughly wet with water to clean-up dust. Use PPE described in Section 8.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Fine dust of the product is capable of dust explosion. Avoid all sources of ignition: heat, sparks, open flame. Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

7.3. Specific End Use(s)

Per FDA: Adhesives; Resinous and polymeric coatings; Components of paper and paperboard in contact with aqueous and fatty foods; Defoaming agents used in coatings; Defoaming agents used in the manufacture of paper and paperboard; Cellophane - Fatty Acids derived from animal or vegetable fats and oils, and the following salts of such acids, single or mixed: calcium; Rubber articles intended for repeated use - Plasticizers (total not to exceed 30 percent by weight of rubber product unless otherwise specified); Antioxidants and/or stabilizers for polymers; Surface lubricants used in the manufacture of metallic articles; Stabilizers

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

8.2. Exposure Controls

Appropriate Engineering Controls

: Ensure all national/local regulations are observed. Ensure adequate ventilation, especially in confined areas. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Personal Protective Equipment

: Protective clothing. Safety glasses. Gloves. Dust/aerosol mask.



Materials for Protective Clothing

: Wear thermally protective clothing when handling product in significant amounts.

Hand Protection

: If material is hot, wear thermally resistant protective gloves.

Eye Protection

: Chemical goggles or safety glasses.

Respiratory Protection

: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Fine White Powder
Odor	: Slight fatty odor
Odor Threshold	: No data available
pH	: Not applicable
Relative Evaporation Rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: < 1
Melting Point	: 150 - 175 °C (302 - 347 °F)
Freezing Point	: No data available
Boiling Point	: Unknown
Flash Point	: > 177 °C Cleveland Open Cup (350.6 °F)
Auto-ignition Temperature	: 371 °C (699.8 °F)
Decomposition Temperature	: No data available

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Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Specific Gravity	: > 1
Specific gravity / density	: 190 g/l (bulk density)
Solubility	: Water: Soluble
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Explosive Properties	: No data available
Oxidizing Properties	: No data available
Explosive Limits	: No data available

9.2. Other Information

VOC content : 1.0 (moisture)

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** No reactivity hazard.
- 10.2 Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Extremely high or low temperatures. Potential dust explosion hazard. Avoid creating or spreading dust.
- 10.5 Incompatible Materials:** Oxidizing agent.
- 10.6 Hazardous Decomposition Products:** Smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity : Not classified

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Skin Corrosion/Irritation: Not classified

pH: Not applicable

Serious Eye Damage/Irritation: Not classified

pH: Not applicable

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Aluminum Di Stearate Tallow (300-92-5)

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aluminum Di Stearate Tallow (300-92-5)

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/Injuries After Skin Contact: Not irritating to skin.

Symptoms/Injuries After Eye Contact: Prolonged contact with large amounts of dust may cause mechanical irritation.

Symptoms/Injuries After Ingestion: Ingestion is not expected to be harmful.

Chronic Symptoms: None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aluminum, hydroxybis(octadecanoato-O)- (300-92-5)

LC50 Fish 1	> 100 mg/l
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EC50 Other Aquatic Organisms 2	12000 mg/l Bacteria toxicity
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12.2. Persistence and Degradability

Aluminum, hydroxybis(octadecanoato-O)- (300-92-5)	
Biochemical Oxygen Demand (BOD)	202 g O ₂ /g substance
BOD (% of ThOD)	6.5 % ThOD (23 days)

12.3. Bioaccumulative Potential No additional information available

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/IMDG/DOT

14.1. UN Number Not regulated for transport

14.2. UN Proper Shipping Name Not regulated for transport

14.3. Additional Information

Other information : No supplementary information available.

Transport by Sea Not regulated for transport

Air Transport Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Aluminum, hydroxybis(octadecanoato-O)- (300-92-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2 US State Regulations

Aluminum Di Stearate Tallow(300-92-5)	
State or local regulations	California Proposition 65-- This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SECTION 16: OTHER INFORMATION

Revision Date : 05/22/2015

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Comb. Dust	Combustible Dust
H232	May form combustible dust concentrations in air

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, use and disposal 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 or container.

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