Aluminum Stearate
Aluminum Stearate

MATERIAL SAFETY DATA SHEET

Aluminum Stearate

CAS # 637-12-7

MSDS No. AL1012     Date Created: 11/25/03     Revised: 00/00/00

SECTION 1. GENERAL PRODUCT INFORMATION

Trade Name: Aluminum Stearate
Chemical Formula: Al(OH)x(OOCC_{17}H_{35})
Chemical Name: Aluminum Salt
Synonyms: Not Applicable
NFPA Properties: Health: 0: Flammability: 1: Reactivity: 0

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

No hazardous ingredients: This product is a metallic soap of a fatty acid.
This product contains the following ingredients at 3% concentrations or greater: Aluminum Stearate

SECTION 3. HAZARDS IDENTIFICATION

Chronic Effects of Overexposure: Respiratory congestion due to dust inhalation
Permissible Concentrations (Air): Total Dust TWA: 15 mg/m³  Respirable Fraction: 5 mg/m³ (OSHA)

SECTION 4. FIRST AID MEASURES

Ingestion: Seek medical attention.
Skin: Wash skin with soap and water.
Inhalation: Remove from exposure. If adverse symptoms develop, seek medical attention.
Eyes: Flush eyes with water for at least 15 minutes. If adverse symptoms develop, seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 350°F (C.O.C.)
Fire Fighting Extinguishing Media: Dry chemical, carbon dioxide, water spray or fog, foam, sand or earth..
Special Fire Fighting Procedures: Evacuate area of all unnecessary personnel. Wear appropriate personal protective equipment, including a NIOSH approved SCBA, if necessary.
Unusual Fire & Explosion Hazards: Dust explosions can occur under conditions of high dust concentration in the presence of an ignition source (spark or open flame).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Evacuate area of all unnecessary personnel. Wear appropriate personal protection equipment, including a NIOSH approved SCBA, if exposure conditions warrant. Contain the spill. Reclaim the product for reuse or dispose of the waste in accordance with federal, state and local regulations.

SECTION 7. HANDLING AND STORAGE

Handling Precautions: Store in well ventilated area. Wear appropriate personal protection equipment.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use adequate ventilation to prevent dust build up.
Protective Gloves: Recommended (rubber gloves).
Respiratory Protection: Use NIOSH/MSHA approved dust mask or respirator where appropriate.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.01</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Percent Volatility</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Negligible</td>
</tr>
<tr>
<td>Solubility In Water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Melting Point</td>
<td>320°F</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild Fatty Odor</td>
</tr>
<tr>
<td>Appearance</td>
<td>Fine White Powder</td>
</tr>
<tr>
<td>pH</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Activity</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>LC50</td>
<td>No Data Available</td>
</tr>
<tr>
<td>LD50</td>
<td>No Data Available</td>
</tr>
</tbody>
</table>
SECTION 10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous polymerization: Will Not Occur
Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Aluminum Oxide.
Incompatibility: Strong oxidizing agents, flames, temperature above 200°F.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: No Data Available
Acute Inhalation Toxicity: No Data Available
Carcinogenicity: No Data Available
Reproductive Toxicity: No Data Available

SECTION 12. ECOLOGICAL INFORMATION

Ecological Information: No Data Available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of waste in accordance with all federal, state and local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping Name: Not a DOT/IMO Hazardous Material

SECTION 15. REGULATORY INFORMATION

SARA: This product does not contain any chemical 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.

SECTION 16. OTHER INFORMATION

MSDS No: AL1012
Reason Issued: New Format
Prepared By: Product Safety Committee
Sections Modified: All Sections. Revised Format
Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for any damage or expense.