

MATERIAL/CHEMICAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Details

Product Name: Alumina Suspension
De-agglomerated

Allied Item No.: 90-187510, -187515, -187545,
-187550, -187580, -187585

Chemical Name: Alumina Suspension

Company Identification

Allied High Tech Products, Inc.
2376 East Pacifica Place
Rancho Dominguez, CA 90220
(310) 635-2466

Contact Point

Transportation for United States
Chemtrec (800) 424-9300 * (202) 483-7616

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT

| Chemical Name | CAS No. | Exposure Limits in Air | | Carcin. Y/N |
|------------------|-------------|------------------------|----------|-------------|
| | | ACGIH TLV or TWA | OSHA PEL | |
| Aluminum Oxide | 1344-28-1 | 10 mg/m3 | 10 mg/m3 | N |
| Propylene Glycol | 000057-55-6 | NA | NA | N |
| Deionized Water | 7732-18-5 | NA | NA | N |

Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.

HMIS Ratings

Health: 1
Flammability: 0
Reactivity: 0

SECTION 3: HAZARDS IDENTIFICATION

Hazard Statement: Not listed as a carcinogen by IARC, NTP or OSHA.

SECTION 4: FIRST AID MEASURES

| | Potential Health Effects | First Aid/ Medical Info. |
|---------------|---|---|
| Eye Contact: | Slightly irritating, high concentrations can cause conjunctivitis, not corrosive. | Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists. |
| Skin Contact: | Not absorbed through skin. Prolonged or repeated contact may cause dermatitis. | Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Seek medical attention if irritation persists. |
| Inhalation: | Spray mist or dry dust may cause congestion, coughing, granuloma in lungs. | Remove to fresh air. Seek medical attention. |
| Ingestion: | May cause irritation of the digestive tract. | Seek medical attention immediately. Give one to two glasses of water or milk. |

Note:

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Alcohol foam, carbon dioxide, dry chemical or water.

Fire Fighting Instruction: Wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus with full facepiece.

Special Hazards: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Stop the flow of material, if this is without risk. Contain with absorbent material such as clay, soil or any commercially available absorbent. Shovel reclaimed liquid and absorbent into recovery or salvage drums for disposal.

| | |
|---|---|
| <p>SECTION 7: HANDLING & STORAGE</p> | <p>SECTION 12: ECOLOGICAL INFORMATION</p> |
| <p><u>Handling:</u> Avoid contact with skin, clothing and eyes. Observe good housekeeping practices.</p> <p><u>Storage:</u> Store in tightly closed original container in a cool, well-ventilated place away from incompatible materials. Keep from freezing.</p> | <p><u>Mobility:</u> This product is water soluble and may spread in water systems.</p> <p><u>Degradability:</u> The degradability of the product has not been stated.</p> <p><u>Ecotoxicity:</u> Not expected to be hazardous to the environment.</p> |
| <p>SECTION 8: EXPOSURE CONTROL & PERSONAL PROTECTION</p> | <p>SECTION 13: DISPOSAL INFORMATION</p> |
| <p><u>Engineering Measures:</u> General and/or local exhaust ventilation.</p> <p><u>Respiratory Protection:</u> Use OSHA/NIOSH approved respiratory protection if level of air contaminants is excessive.</p> <p><u>Protective Gloves:</u> Impervious glove. Use of impervious boots and apron recommended.</p> <p><u>Eye Protection:</u> Safety glasses or chemical splash goggles.</p> <p><u>Other:</u> Eye wash and shower facility should be available.</p> | <p>Dispose of waste material according to Federal, State and Local regulations. Dispose of contaminated packaging as residue.</p> <p>Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.</p> |
| <p>SECTION 9: PHYSICAL & CHEMICAL PROPERTIES</p> | <p>SECTION 14: TRANSPORT INFORMATION</p> |
| <p>Appearance: Milky-white liquid Odor: None Solubility: Dispersible Boiling Point: 212°F (100°C) Melting Point: 32°F (0°C) Flash Point: NA Vapor Pressure: NA Vapor Density: NA Evaporation Rate: NA Specific Gravity: NA Flammable Limits LEL: NA Flammable Limits UEL: NA</p> | <p>The product is not regulated as hazardous by the Department of Transportation or IATA.</p> |
| <p>SECTION 10: STABILITY & REACTIVITY</p> | <p>SECTION 15: REGULATORY INFORMATION</p> |
| <p><u>Stability:</u> Stable</p> <p><u>Conditions to Avoid/Incompatibles:</u> None specific.</p> <p><u>Decomposition Products:</u> None specific.</p> <p><u>Hazardous Polymerization:</u> Will not occur.</p> | <p><u>Precautionary Label:</u> Do not freeze.</p> |
| <p>SECTION 11: TOXICOLOGICAL INFORMATION</p> | <p>SECTION 16: OTHER INFORMATION</p> |
| <p>None</p> | <p>Legend NAIF: No Applicable Information Found NA: Not Available/Applicable NE: None Established</p> <p>DISCLAIMER: The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. ALLIED HIGH TECH PRODUCTS, INC. makes no warranty, either express or implied, as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacturer/distributor shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.</p> <p>Form Prepared By: Allied High Tech Products, Inc. January 2010</p> |