

MATERIAL/CHEMICAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Details

Product Name: 0.06µm White Colloidal Silica Suspension

Allied Item No.: 180-50000, -50005-G, -50010, -50015

Chemical Name: Colloidal Silica Dispersion

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	
Colloidal Silica (amorphous) 40-70%	7631-86-9	10 mg/m3	6 mg/m3	
Water 30-60%	7732-18-5	NE	NE	N

SECTION 3: HAZARDS IDENTIFICATION

Hazard Statement: Inhalation of mist or dust may be harmful. Avoid repeated or prolonged breathing of spray mist or dust.

SECTION 4: FIRST AID MEASURES

	Potential Health Effects	First Aid/ Medical Info.
Eye Contact:	Can cause transient irritations.	Flush with water for 15 minutes, seek medical attention.
Skin Contact:	Can cause transient irritation.	Wash with soap and water.
Inhalation:	May cause irritation to the respiratory tract and lungs if dust is inhaled.	Remove to fresh air. Treat symptoms. Seek medical attention.
Ingestion:	NAIF	Do NOT induce vomiting. Give water. Seek medical attention.

Note: Silica, prolonged exposure to dust/mist can produce pneumoconiosis. Prolonged inhalation of dust can increase lung injury in individuals with emphysema, asthma or other lung disorders.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Not applicable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Dike to prevent further movement. 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.

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

HMIS Ratings

Health: 1
Flammability: 0
Reactivity: 0

<p>SECTION 7: HANDLING & STORAGE</p>	<p>SECTION 12: ECOLOGICAL INFORMATION</p>
<p>Handling: Use in well ventilated areas. Observe good housekeeping practices.</p> <p>Storage: Keep container closed when not in use. Do not reuse containers.</p>	<p>Environmental Hazard Characterization: Potential human hazard is low.</p>
<p>SECTION 8: EXPOSURE CONTROL & PERSONAL PROTECTION</p>	<p>SECTION 13: DISPOSAL INFORMATION</p>
<p>Engineering Measures: General ventilation.</p> <p>Respiratory Protection: Respiratory protection is not normally needed since volatility and toxicity are low. If significant mists are generated, use either chemical cartridge respirator with a dust/mist prefilter or supplied air.</p> <p>Protective Gloves: Impervious, nitrile, if hot plastic is handled.</p> <p>Eye Protection: Safety glasses or chemical splash goggles.</p> <p>Other: Eyewash, safety shower and impervious clothing are recommended.</p>	<p>If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA 40 CFR 261). As a non-hazardous liquid waste, it should be solidified with stabilizing agents (such as sand, fly ash or cement) so that no free liquid remains before disposal to an industrial waste landfill. A non-hazardous liquid waste can also be deep-well injected in accordance with Federal, State and Local regulations.</p>
<p>SECTION 9: PHYSICAL & CHEMICAL PROPERTIES</p>	<p>SECTION 14: TRANSPORT INFORMATION</p>
<p>Appearance: White translucent liquid Odor: NA Solubility: Completely Boiling Point: 212°F (100°C) @760 mm/Hg Melting Point: NA Flash Point: NA Vapor Pressure: NA Vapor Density: 11.5-11.6 lbs/gal Evaporation Rate: NA Specific Gravity: 1.38-1.39 @ 77°F (25°C) Flammable Limits LEL: NA Flammable Limits UEL: NA</p>	<p>Product is not regulated by DOT or IATA.</p>
<p>SECTION 10: STABILITY & REACTIVITY</p>	<p>SECTION 15: REGULATORY INFORMATION</p>
<p>Stability:</p> <p>Conditions to Avoid/Incompatibles: Avoid contact with strong acids (e.g. sulfuric, phosphoric, nitric, hydrochloric, chromic, sulfonic) which can generate heat, splattering or boiling and the release of toxic fumes. Avoid contact with aluminum.</p> <p>Decomposition Products: Methacrylate Monomer and Oxides of Carbon when burned.</p> <p>Hazardous Polymerization: Will not occur.</p>	<p>OSHA Hazard Communication Rule, 29 CFR 1910.1200: This product is classified as a hazardous chemical. Silica (amorphous) =TWA 10 mg/m3 (ACGIH) 6 mg/m3 OSHA.</p> <p>Toxic Substance Control Act: The chemical ingredients in this product are on the 8 (b) Inventory List (40 CFR 710).</p> <p>CERCLA/Superfund, 40 CFR 117,302: Notification of spills of this product is not required.</p> <p>Canadian WHMIS: This is a controlled product under The House of Commons of Canada Bill C-71 (Class D2B)</p>
<p>SECTION 11: TOXICOLOGICAL INFORMATION</p>	<p>SECTION 16: OTHER INFORMATION</p>
<p>Human Hazard Characterization: Potential human hazard is low.</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 2013</p>