

## MATERIAL/CHEMICAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION					SECTION 3: HAZARDS IDENTIFICATION																		
<b>Product Details</b> Product Name: Colloidal Silica Suspension, 0.04 Micron, Non-stick, Rinsable  Allied Item No.: 180-25XXX  Chemical Name: Colloidal Silica Dispersion					Hazard Statement: Not listed as a carcinogen by IARC, NTP or OSHA.																		
<b>Company Identification</b> Allied High Tech Products, Inc. 2376 East Pacifica Place Rancho Dominguez, CA 90220 (310) 635-2466  <b>Contact Point</b> Transportation for United States Chemtrec (800) 424-9300 * (202) 483-7616					SECTION 4: FIRST AID MEASURES																		
SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT					Potential Health Effects			First Aid/ Medical Info.															
<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th style="text-align: left;">Chemical Name</th> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Exposure Limits in Air ACGIH TLV or TWA</th> <th style="text-align: left;">OSHA PEL</th> <th style="text-align: left;">Carcin. Y/N</th> </tr> </thead> <tbody> <tr> <td>Silica, Amorphous, Precipitated, 25-35%</td> <td>112926-00-8</td> <td>10 mg/m3 As dry dust</td> <td>80 mg/m3</td> <td>N</td> </tr> <tr> <td>Glycerin, 1-35%</td> <td>000056-81-5</td> <td>10 mg/m3</td> <td>15 mg/m3</td> <td>N</td> </tr> <tr> <td>Deionized Water, 30-74%</td> <td>7732-18-5</td> <td>NA</td> <td>NA</td> <td>N</td> </tr> </tbody> </table>	Chemical Name	CAS No.	Exposure Limits in Air ACGIH TLV or TWA	OSHA PEL	Carcin. Y/N	Silica, Amorphous, Precipitated, 25-35%	112926-00-8	10 mg/m3 As dry dust	80 mg/m3	N	Glycerin, 1-35%	000056-81-5	10 mg/m3	15 mg/m3	N	Deionized Water, 30-74%	7732-18-5	NA	NA	N	Eye Contact:	May cause irritation.	Flush with water for 15 minutes, seek medical attention if irritation persists.
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	Skin Contact:	Very low toxicity by absorption.	Wash affected area with soap and water. Seek medical attention if irritation persists.																				
	Inhalation:	May cause irritation of upper respiratory tract.	Remove to fresh air. Seek medical attention if irritation persists.																				
	Ingestion:	No known effects	If swallowed, immediately give 2 glasses of water. Seek medical attention if ill effects develop.																				
Note:																							
SECTION 5: FIRE FIGHTING MEASURES					Extinguishing Media: 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: Product is non-combustible.																		
SECTION 6: ACCIDENTAL RELEASE MEASURES					Stop the flow of material. Wear appropriate protective clothing and keep area isolated. Absorb spill with inert material. Shovel material into appropriate container for disposal.																		
Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.					<b>HMIS Ratings</b> Health: 1 Flammability: 0 Reactivity: 0																		
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<p><b>SECTION 7: HANDLING &amp; STORAGE</b></p>	<p><b>SECTION 12: ECOLOGICAL INFORMATION</b></p>
<p>Handling: Avoid breathing vapor, aerosol and mist. Do not swallow. Observe good housekeeping practices. For Industrial Use ONLY!</p> <p>Storage: Store in tightly closed original container in a cool, well-ventilated place away from incompatible materials. Keep from freezing.</p>	<p>The product is not expected to be hazardous to the environment.</p>
<p><b>SECTION 8: EXPOSURE CONTROL &amp; PERSONAL PROTECTION</b></p>	<p><b>SECTION 13: DISPOSAL INFORMATION</b></p>
<p>Engineering Measures: Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.</p> <p>Respiratory Protection: Use OSHA/NIOSH approved respiratory protection if level of air contaminants is excessive.</p> <p>Other Personal Protection: Use as desired.</p>	<p>Dispose of waste material according to Federal, State and Local regulations. This product when spilled or disposed is a Non-Hazardous Waste as defined by RCRA Regulation (40CFR 261).</p>
<p><b>SECTION 9: PHYSICAL &amp; CHEMICAL PROPERTIES</b></p>	<p><b>SECTION 14: TRANSPORT INFORMATION</b></p>
<p>Appearance: White liquid                  Odor: Mild                  Solubility: Infinite                  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: 1.205    Particle Size: 132 nm                  Flammable Limits LEL: NA    Solids (Means): 31%                  Flammable Limits UEL: NA    PH: 10.47</p>	<p>Product is not regulated by DOT or IATA.</p>
<p><b>SECTION 10: STABILITY &amp; REACTIVITY</b></p>	<p><b>SECTION 15: REGULATORY INFORMATION</b></p>
<p>Stability: Stable</p> <p>Conditions to Avoid/Incompatibles: Acidic, Cationic and salt materials may gel the product. Do not mix with other materials unless advised by supplier. Freezing conditions will damage the product.</p> <p>Decomposition Products: None</p> <p>Hazardous Polymerization: None</p>	<p>Proposition 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.</p>
<p><b>SECTION 11: TOXICOLOGICAL INFORMATION</b></p>	<p><b>SECTION 16: OTHER INFORMATION</b></p>
<p>NA</p>	<p><b>Legend</b>                  NAIF: No Applicable Information Found                  NA: Not Available/Applicable                  NE: None Established</p> <p><b>DISCLAIMER:</b> 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>