

## MATERIAL/CHEMICAL SAFETY DATA SHEET

### SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

#### Product Details

Product Name: Blue Colloidal Silica Suspension  
.02 micron

Allied Item No.: 180-40000, -40010, -40015

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	
Silica	7631-86-9	10 mg/m3 As dry dust	NA	N
Propylene Glycol	000057-55-6	10 mg/m3	10 mg/m3	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.	Flush with water for 15 minutes, seek medical attention if irritation persists.
Skin Contact:	Very low toxicity by absorption.	Wash affected area with soap and water.
Inhalation:	Spray mist or dry dust may cause congestion, coughing, granuloma in lungs.	Remove to fresh air. Seek medical attention.
Ingestion:	Very low toxicity.	Give one to two glasses of water or milk. Seek immediate medical attention.

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.

<b>SECTION 7: HANDLING &amp; STORAGE</b>	<b>SECTION 12: ECOLOGICAL INFORMATION</b>
<p><b>Handling:</b> Avoid contact with skin and eyes. Observe good housekeeping practices.</p> <p><b>Storage:</b> 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>
<b>SECTION 8: EXPOSURE CONTROL &amp; PERSONAL PROTECTION</b>	<b>SECTION 13: DISPOSAL INFORMATION</b>
<p><b>Engineering Measures:</b> Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.</p> <p><b>Respiratory Protection:</b> Use OSHA/NIOSH approved respiratory protection if level of air contaminants is excessive.</p> <p><b>Protective Gloves:</b> Use impervious gloves.</p> <p><b>Eye Protection:</b> Safety glasses or chemical splash goggles.</p> <p><b>Other:</b> Eyewash, safety shower and impervious clothing are recommended.</p>	<p>Dispose of waste material according to Federal, State and Local regulations. Dispose of contaminated packaging as residue.</p>
<b>SECTION 9: PHYSICAL &amp; CHEMICAL PROPERTIES</b>	<b>SECTION 14: TRANSPORT INFORMATION</b>
<p>Appearance: Blue 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      PH: 10.52</p>	<p>Product is not regulated by DOT or IATA.</p>
<b>SECTION 10: STABILITY &amp; REACTIVITY</b>	<b>SECTION 15: REGULATORY INFORMATION</b>
<p><b>Stability:</b> Stable</p> <p><b>Conditions to Avoid/Incompatibles:</b> None specific.</p> <p><b>Decomposition Products:</b> None specific.</p> <p><b>Hazardous Polymerization:</b> None specific.</p>	<p>Not regulated.</p>
<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>	<b>SECTION 16: OTHER INFORMATION</b>
<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. 05/2006</p>