

## MATERIAL/CHEMICAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION					SECTION 3: HAZARDS IDENTIFICATION																	
<p><b>Product Details</b></p> <p>Product Name: OpTech Polishing Slurry 3µm</p> <p>Allied Item No.: 90-188020</p> <p>Chemical Name: Glass Polishing Slurry</p> <p><b>Company Identification</b>                      Allied High Tech Products, Inc.                      2376 East Pacifica Place                      Rancho Dominguez, CA 90220                      (310) 635-2466</p> <p><b>Contact Point</b>                      Transportation for United States                      Chemtrec (800) 424-9300 * (202) 483-7616</p>					<p><b>SECTION 4: FIRST AID MEASURES</b></p> <table border="1"> <thead> <tr> <th></th> <th>Potential Health Effects</th> <th>First Aid/ Medical Info.</th> </tr> </thead> <tbody> <tr> <td>Eye Contact:</td> <td>Slurry may irritate eyes. Abrasion.</td> <td>Flush eyes with large amounts of water for 15 minutes. Get immediate medical attention.</td> </tr> <tr> <td>Skin Contact:</td> <td>Repeated or prolonged contact may cause irritation.</td> <td>Wash affected area with soap and water. Seek medical attention if irritation persists.</td> </tr> <tr> <td>Inhalation:</td> <td>Vapor and mist may irritate nose and throat. Prolonged inhalation may cause dizziness.</td> <td>Remove to fresh air. Seek medical attention. If person is not breathing, give artificial respiration. If breathing is difficult, administer oxygen.</td> </tr> <tr> <td>Ingestion:</td> <td>Irritating to digestion system. Nausea and vomiting may occur.</td> <td>Seek immediate medical attention. Do NOT induce vomiting unless instructed by a physician. Give large quantities of milk or water.</td> </tr> </tbody> </table>				Potential Health Effects	First Aid/ Medical Info.	Eye Contact:	Slurry may irritate eyes. Abrasion.	Flush eyes with large amounts of water for 15 minutes. Get immediate medical attention.	Skin Contact:	Repeated or prolonged contact may cause irritation.	Wash affected area with soap and water. Seek medical attention if irritation persists.	Inhalation:	Vapor and mist may irritate nose and throat. Prolonged inhalation may cause dizziness.	Remove to fresh air. Seek medical attention. If person is not breathing, give artificial respiration. If breathing is difficult, administer oxygen.	Ingestion:	Irritating to digestion system. Nausea and vomiting may occur.	Seek immediate medical attention. Do NOT induce vomiting unless instructed by a physician. Give large quantities of milk or water.
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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT					<p>Note:</p> <p><b>SECTION 5: FIRE FIGHTING MEASURES</b></p> <p>Extinguishing Media: NA</p> <p>Fire Fighting Instruction: Wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus with full facepiece.</p> <p>Special Hazards: NA</p> <p><b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b></p> <p>Isolate area and deny entry. Ventilate area and pick up spill (if small) with vermiculite or other non-combustible absorbent materials. Properly protected personnel should flush spill with plenty of water, taking care not to splash personnel. Large spills: notify appropriate personnel and implement facility emergency response plan. Evacuate non-essential personnel, isolate area, provide maximum ventilation. Wear fully protective equipment for vapor inhalation, skin and eye contact. Dike far ahead of the spill and do not release directly into sewers and waterways. Place clean-up material in appropriate disposal containers and dispose of according to state/federal/local regulations.</p>																	
Chemical Name	CAS No.	Exposure Limits in Air ACGIH TLV or TWA	OSHA PEL	Carcin. Y/N																		
Alumina Oxide 5-30%	1344-28-1	10 mg/m3	10 mg/m3	N																		
Hydroxy Glycol 15-30%	NA	10 mg/m3	10 mg/m3	N																		
Silicon Dioxide 5-15%	7631-86-9	10 mg/m3	6 mg/m3	N																		
Diamond .2-5%	7782-40-1	10 mg/m3	10 mg/m3	N																		
Water 50-65%	7732-18-5	NA	NA	N																		
<p>Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.</p> <p><b>HMIS Ratings</b>                      Health: 1                      Flammability: 0                      Reactivity: 0</p>																						
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<b>SECTION 7: HANDLING &amp; STORAGE</b>	<b>SECTION 12: ECOLOGICAL INFORMATION</b>
<p>Handling: Exercise ordinary care in handling industrial lubricants. Avoid contamination of cigarettes or other tobacco products. Wash hands thoroughly before eating or smoking. Was contaminated clothing before wearing again.</p> <p>Storage: Do not store in open or unlabeled containers. Store in well-ventilated, properly drained/contained site away from heat, out of sun and away from combustibles and reactive chemicals. Use only approved containers and keep them from freezing.</p>	<p>This product is bio-degradable</p>
<b>SECTION 8: EXPOSURE CONTROL &amp; PERSONAL PROTECTION</b>	<b>SECTION 13: DISPOSAL INFORMATION</b>
<p>Engineering Measures: General and/or local exhaust ventilation to control vapor concentration.</p> <p>Respiratory Protection: Avoid breathing of mist. Respiratory protection is generally not necessary under normal conditions with adequate ventilation.</p> <p>Protective Gloves: Wear chemical protective gloves. Additional protection such as a face shield and apron may be necessary depending on use.</p> <p>Eye Protection: Wear safety glasses or chemical goggles.</p> <p>Other: Eyewash and safety shower are recommended.</p>	<p>Contact a licensed waste-disposal contractor for detailed recommendations. Follow applicable Federal, State and Local regulations.</p>
<b>SECTION 9: PHYSICAL &amp; CHEMICAL PROPERTIES</b>	<b>SECTION 14: TRANSPORT INFORMATION</b>
<p>Appearance: Powder slurry                  Odor: White, cloudy liquid                  Solubility: Soluble                  Boiling Point: 212°F (110°C)                  Melting Point: -32°F (-10°C)                  Flash Point: NA                  Vapor Pressure: NA                  Vapor Density: NA                  Evaporation Rate: Water                  Specific Gravity: 1.5-1.2                  Flammable Limits LEL: NA                      pH: 9-10                  Flammable Limits UEL: NA</p>	<p>Not regulated.</p>
<b>SECTION 10: STABILITY &amp; REACTIVITY</b>	<b>SECTION 15: REGULATORY INFORMATION</b>
<p>Stability: Stable</p> <p>Conditions to Avoid/Incompatibles: Strong oxidizing materials, hypochlorites, chlorine</p> <p>Decomposition Products: When heated, liberates steam, carbon dioxide, carbon monoxide and unidentified organic compounds in fumes and smoke during combustion.</p> <p>Hazardous Polymerization: Will not occur.</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> <hr/> <p>Form Prepared By: Allied High Tech Products, Inc. February 2009</p>