



HIGH TECH PRODUCTS, INC.

2376 E. Pacifica Place Rancho Dominguez, CA 90220 (800) 675-1118 www.alliedhightech.com

MATERIAL/CHEMICAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION				SECTION 3: HAZARDS IDENTIFICATION																																																									
Product Details Product Name: Epoxy Powder - Black Glass Filled Non-Stick Formula Allied Item No.: 150-10105/150-10110 Chemical Name: NA				Hazard Statement: Dust will cause nose and throat irritation and will be moderately irritating to eyes. Airborne crystalline silica can cause lung damage (silicosis) on repeated and prolonged contact. Inhalation of dust can cause cancer. IARC has determined carbon black to be a Class 2B carcinogen based on laboratory studies. Phenol vapors may be released during molding processes. Overexposure to these vapors may cause irritation to eyes, nose, throat and skin.																																																									
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 4: FIRST AID MEASURES																																																									
SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT				<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>Dust and vapors may cause irritation.</td> <td>Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation persists.</td> </tr> <tr> <td>Skin Contact:</td> <td>May cause irritation and/or allergic reactions in sensitized individuals.</td> <td>Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Get medical attention if symptoms develop and persist.</td> </tr> <tr> <td>Inhalation:</td> <td>Chronic exposure to dust containing quartz silica in excess of exposure limits can cause silicosis and can increase the risks of developing respiratory cancer. May cause allergic respiratory reaction and/or irritation.</td> <td>Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.</td> </tr> <tr> <td>Ingestion:</td> <td>Not expected under normal conditions of use.</td> <td>If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center for any other treatment directions.</td> </tr> <tr> <td colspan="3">Note:</td> </tr> </tbody> </table>				Potential Health Effects	First Aid/ Medical Info.	Eye Contact:	Dust and vapors may cause irritation.	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation persists.	Skin Contact:	May cause irritation and/or allergic reactions in sensitized individuals.	Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Get medical attention if symptoms develop and persist.	Inhalation:	Chronic exposure to dust containing quartz silica in excess of exposure limits can cause silicosis and can increase the risks of developing respiratory cancer. May cause allergic respiratory reaction and/or irritation.	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.	Ingestion:	Not expected under normal conditions of use.	If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center for any other treatment directions.	Note:																																							
	Potential Health Effects	First Aid/ Medical Info.																																																											
Eye Contact:	Dust and vapors may cause irritation.	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation persists.																																																											
Skin Contact:	May cause irritation and/or allergic reactions in sensitized individuals.	Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Get medical attention if symptoms develop and persist.																																																											
Inhalation:	Chronic exposure to dust containing quartz silica in excess of exposure limits can cause silicosis and can increase the risks of developing respiratory cancer. May cause allergic respiratory reaction and/or irritation.	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.																																																											
Ingestion:	Not expected under normal conditions of use.	If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center for any other treatment directions.																																																											
Note:																																																													
<table border="1"> <thead> <tr> <th>Chemical Name</th> <th>CAS No.</th> <th>Exposure Limits in Air ACGIH TLV or TWA respirable fraction</th> <th>Carcin. OSHA PEL</th> <th></th> </tr> </thead> <tbody> <tr> <td>Crystalline Silica, <60%</td> <td>14808-60-7</td> <td>0.05 mg/m3</td> <td>0.1 mg/m3</td> <td>Y</td> </tr> <tr> <td>Epoxy Novolac Polymer <30%</td> <td>29690-82-2</td> <td>None</td> <td>None</td> <td></td> </tr> <tr> <td>Glass Fiber, <40%</td> <td>65997-17-3</td> <td>0.1 mg/m3 respirable fibers</td> <td>None</td> <td></td> </tr> <tr> <td>Phenolic Polymer <20%</td> <td>9003-35-4</td> <td>None</td> <td>None</td> <td></td> </tr> <tr> <td>Phenol <.5%</td> <td>108-95-2</td> <td>5ppm</td> <td>5ppm</td> <td></td> </tr> <tr> <td>Carbon Black, <.3%</td> <td>1333-86-4</td> <td>3.5 mg/m3</td> <td>3.5 mg/m3</td> <td>Y</td> </tr> <tr> <td>Resin, 10-30%</td> <td>N/A</td> <td>None</td> <td>None</td> <td></td> </tr> <tr> <td>Tetrachlorophthalic anhydride, 5-10%</td> <td>117-08-8</td> <td>None</td> <td>None</td> <td></td> </tr> <tr> <td>Soda lime borosilicate glass, 1-5%</td> <td>65997-17-3</td> <td>1 f/cc respirable fibers</td> <td>None</td> <td>Y</td> </tr> <tr> <td>Octadecanoic acid, zinc salt, 1-5%</td> <td>557-05-1</td> <td>10 mg/m3</td> <td>15 mg/m3</td> <td></td> </tr> </tbody> </table>				Chemical Name	CAS No.	Exposure Limits in Air ACGIH TLV or TWA respirable fraction	Carcin. OSHA PEL		Crystalline Silica, <60%	14808-60-7	0.05 mg/m3	0.1 mg/m3	Y	Epoxy Novolac Polymer <30%	29690-82-2	None	None		Glass Fiber, <40%	65997-17-3	0.1 mg/m3 respirable fibers	None		Phenolic Polymer <20%	9003-35-4	None	None		Phenol <.5%	108-95-2	5ppm	5ppm		Carbon Black, <.3%	1333-86-4	3.5 mg/m3	3.5 mg/m3	Y	Resin, 10-30%	N/A	None	None		Tetrachlorophthalic anhydride, 5-10%	117-08-8	None	None		Soda lime borosilicate glass, 1-5%	65997-17-3	1 f/cc respirable fibers	None	Y	Octadecanoic acid, zinc salt, 1-5%	557-05-1	10 mg/m3	15 mg/m3		SECTION 5: FIRE FIGHTING MEASURES Extinguishing Media: Water spray (fog), foam, dry chemical or carbon dioxide Fire Fighting Instruction: Wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus with full facepiece. Special Hazards: Oxides of carbon, oxides of zinc Hydrogen chloride, phenol, formaldehyde, alkyl phenols & aromatic hydrocarbons may be generated at high temperatures (>1000°F)		
Chemical Name	CAS No.	Exposure Limits in Air ACGIH TLV or TWA respirable fraction	Carcin. OSHA PEL																																																										
Crystalline Silica, <60%	14808-60-7	0.05 mg/m3	0.1 mg/m3	Y																																																									
Epoxy Novolac Polymer <30%	29690-82-2	None	None																																																										
Glass Fiber, <40%	65997-17-3	0.1 mg/m3 respirable fibers	None																																																										
Phenolic Polymer <20%	9003-35-4	None	None																																																										
Phenol <.5%	108-95-2	5ppm	5ppm																																																										
Carbon Black, <.3%	1333-86-4	3.5 mg/m3	3.5 mg/m3	Y																																																									
Resin, 10-30%	N/A	None	None																																																										
Tetrachlorophthalic anhydride, 5-10%	117-08-8	None	None																																																										
Soda lime borosilicate glass, 1-5%	65997-17-3	1 f/cc respirable fibers	None	Y																																																									
Octadecanoic acid, zinc salt, 1-5%	557-05-1	10 mg/m3	15 mg/m3																																																										
Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.				SECTION 6: ACCIDENTAL RELEASE MEASURES Prevent product from entering drains or open waters. Avoid breathing dust and vapors and wear suitable protective clothing (gloves, eye/face protection). PPE should be appropriate for the situation. Sweep up spilled material - avoid creating dust.																																																									
HMIS Ratings Health: 2 Flammability: 1 Reactivity: 0																																																													
Page 1 of 2:																																																													

SECTION 7: HANDLING & STORAGE	SECTION 12: ECOLOGICAL INFORMATION			
<p>Handling: Use only with adequate ventilation. Avoid breathing fumes from molding or other processes involving heat. Avoid breathing dust from cutting, machining or deflashing operations. Avoid high concentrations of dust in air and accumulation on equipment. Fine dust of this material in heavy concentrations can create a dust explosion hazard. Wash thoroughly after handling.</p> <p>Storage: Keep in a cool, well-ventilated area away from heat, sparks and open flame. Keep container tightly closed.</p>	<p>No data available for this product.</p>			
SECTION 8: EXPOSURE CONTROL & PERSONAL PROTECTION	SECTION 13: DISPOSAL INFORMATION			
<p>Engineering Measures: Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Special ventilation procedures may be required to avoid explosion hazards if dust situation exists. Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.</p> <p>Respiratory Protection: Use OSHA/NIOSH approved respiratory protection if level of air contaminants is excessive.</p> <p>Protective Gloves: Impervious is recommended to prevent skin contact.</p> <p>Eye Protection: Safety glasses with side shields or chemical splash goggles.</p> <p>Other: Eyewash, safety shower and impervious clothing are recommended.</p>	<p>Dispose of waste material according to Federal, State and Local regulations. Not a RCRA hazardous waste</p>			
SECTION 9: PHYSICAL & CHEMICAL PROPERTIES	SECTION 14: TRANSPORT INFORMATION			
<p>Appearance: Black powder/granules Odor: Mild & Characteristic Solubility: Insoluble Boiling Point: NA Melting Point: NE Flash Point: NE Vapor Pressure: NA Vapor Density: NA Evaporation Rate: NA Specific Gravity: 1.75-2.05 Flammable Limits LEL: NE Flammable Limits UEL: NE VOC content: 0%; 0 grams/liter</p>	<p>Not regulated. Non-hazardous for transportation.</p>			
SECTION 10: STABILITY & REACTIVITY	SECTION 15: REGULATORY INFORMATION			
<p>Conditions to Avoid/Incompatibles: Strong oxidizing agents. High temperatures. Avoid creating dust as it may form explosive mixture in the air.</p> <p>Decomposition Products: At elevated temperatures: phenol, formaldehyde, alkyl phenols and aromatic hydrocarbons.</p> <p>Hazardous Polymerization: Will not occur.</p>	<p>Toxic Substance Control Act TSCA: All ingredients are TSCA listed, or are exempt.</p> <p>CERCLA/SARA 313: Release of phenol above RQ level requires reporting</p> <p>SARA TITLE III: Release of phenol above RQ level requires reporting</p> <p>311/312 Hazard Categories: Release of phenol and carbon black may require reporting depending on the amount of this product used.</p> <p>California Proposition 65: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.</p> <p>This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Right-to-Know Act of 1986 and 40 CFR 372:</p> <table border="0"> <tr> <td>Phenol</td> <td>CAS#108-95-2</td> <td><1 percent by weight</td> </tr> </table>	Phenol	CAS#108-95-2	<1 percent by weight
Phenol	CAS#108-95-2	<1 percent by weight		
SECTION 11: TOXICOLOGICAL INFORMATION	SECTION 16: OTHER INFORMATION			
<p>IARC, OSHA, NTP have determined that carbon black, crystalline silica and soda lime borosilicate glass are carcinogens based on laboratory studies.</p> <p>Carbon black and crystalline silica are listed under California's Proposition 65 as human carcinogens.</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>Page 2 of 2:</p>	<p>Form Prepared By: Allied High Tech Products, Inc. January 2010</p>			