

## MATERIAL/CHEMICAL SAFETY DATA SHEET

### SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

#### Product Details

Product Name: Phenolic Mounting Powder  
-Red, Black & Green

Allied Item No.: 135-10005, -10007, -10010,  
-10012, -10015, -10017

Chemical Name: Phenol Formaldehyde Polymeric  
Molding Compound

#### 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	
Phenol <6.3%	108-95-2	5 ppm	5 ppm	
Carbon Black <12%	1333-86-4	3.5 mg/m3	3.5 mg/m3	
Coal Dust <18%		2 mg/m3	2.4-10 mg/m3	
Graphite <40%	7782-42-5	2 mg/m3	15 mppcf	
MICA <60%	12001-26-2	3 mg/m3	20 mppcf	
Talc <20%	14807-96-6	2 mg/m3	20 mppcf	
Particulates, NOC <70%	NE	3-10 mg/m3	5-15 mg/m3	

As Used:  
During polymerization (e.g. curing of the product during normal processing) or decomposition (e.g. overheating or burning of the product) small amounts of gaseous phenol and formaldehyde (as well as water vapor, carbon monoxide and carbon dioxide) are evolved. Breathing of the fumes can be harmful. If the odor of formaldehyde is noticeable, then the airborne concentration should be carefully monitored and ventilation improvements considered; it begins to be detectable by odor at concentrations approaching or exceeding the PEL. The odor of phenol begins to be noticeable at a concentration about one-fifth the PEL. In any case, adequacy of ventilation can best be determined by use of instruments to monitor airborne concentrations of phenol and formaldehyde. Grinding or machining of cured molded material may create a dust that poses a respiratory hazard if inhaled and may release small amounts of gaseous ammonia.

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

#### HMIS Ratings

Health: NA  
Flammability: NA  
Reactivity: NA

### SECTION 3: HAZARDS IDENTIFICATION

**Hazard Statement:** Ordinary use of this product is unlikely to produce significant exposure to hazardous chemicals. However, "as sold" the plastic resin is not completely cured or reacted and contains some unreacted ingredients dissolved within it. So dissolved, these chemicals are extremely unlikely to pose a hazard but because they are hazardous in their pure forms, OSHA requires that they be reported and described as hazardous ingredients (see section 2). PELs for these chemicals are set at levels designed to avoid any significant health risk and are achievable with proper material handling procedures, ventilation and housekeeping.

### SECTION 4: FIRST AID MEASURES

	Potential Health Effects	First Aid/ Medical Info.
	Eye Contact:	Irritating.
Skin Contact:	Irritating.	Wash thoroughly with soap and water.
Inhalation:	Irritating.	Use with adequate ventilation. If breathing is affected, remove to fresh air. If breathing stops, perform CPR. Seek medical attention.
Ingestion:	Irritating.	Give water immediately and induce vomiting. Seek medical attention.

Note:

### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Alcohol 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:** Organic dust/air mixtures are highly flammable (explosive); avoid dust accumulations or dust-laden atmospheres and sources of ignition.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Spill or Leak Procedure:** Vacuum or sweep with sweeping compound, sawdust or sand. Avoid generating dust. Vacuums with explosion proof motors are recommended. This product contains free phenol which is subject to effluent limits under the clean water act.

<p><b>SECTION 7: HANDLING &amp; STORAGE</b></p>	<p><b>SECTION 12: ECOLOGICAL INFORMATION</b></p>
<p><u>Handling:</u> Observe good housekeeping practices.</p> <p><u>Storage:</u> Store in a cool, dry place. Keep containers closed to avoid contamination. Prevent accumulations of dust. Avoid excessive heat and sources of ignition.</p>	<p>No data available for this product.</p>
<p><b>SECTION 8: EXPOSURE CONTROL &amp; PERSONAL PROTECTION</b></p>	<p><b>SECTION 13: DISPOSAL INFORMATION</b></p>
<p><u>Engineering Measures:</u> Point source exhaust recommended to remove dust and vapors evolved during use. Use explosion proof motors.</p> <p><u>Respiratory Protection:</u> NIOSH approved respirators recommended if TLVS are exceeded.</p> <p><u>Protective Gloves:</u> Gloves recommended.</p> <p><u>Eye Protection:</u> Safety glasses with side shields.</p> <p><u>Other:</u> Eye wash and shower facility should be available.</p>	<p>Bury or incinerate according to Federal, State and Local regulations.</p>
<p><b>SECTION 9: PHYSICAL &amp; CHEMICAL PROPERTIES</b></p>	<p><b>SECTION 14: TRANSPORT INFORMATION</b></p>
<p>Appearance: Granular/nodular pellet/briquette                  Odor: Slight odor of Phenol                  Solubility: Negligible                  Boiling Point: NA                  Melting Point: NA                  Flash Point: NA                  Vapor Pressure: NA                  Vapor Density: NA                  Evaporation Rate: NA                  Specific Gravity: NA                  Flammable Limits LEL: .030 oz. per cubic foot                  Flammable Limits UEL: NA</p>	<p><u>Shipping Classification:</u> Plastic Materials VIZ: Powdered form NMFC item #156200</p> <p><u>DOT Hazard Class:</u> Non-hazardous</p>
<p><b>SECTION 10: STABILITY &amp; REACTIVITY</b></p>	<p><b>SECTION 15: REGULATORY INFORMATION</b></p>
<p><u>Stability:</u> Stable</p> <p><u>Conditions to Avoid:</u> Contamination, exposure to flame or heat, or storage temperatures in excess of 100 °F (38 °C)</p> <p><u>Incompatibles:</u> Sensitive to strong oxidizing agents and may either decompose or ignite when mixed with same.</p> <p><u>Decomposition Products:</u> Vapors evolved during polymerization may contain phenol, formaldehyde or ammonia.</p> <p><u>Hazardous Polymerization:</u> Should not occur.</p>	<p>No data available for this product.</p>
<p><b>SECTION 11: TOXICOLOGICAL INFORMATION</b></p>	<p><b>SECTION 16: OTHER INFORMATION</b></p>
<p>No data available for this product.</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. January 2011</p>