

## MATERIAL/CHEMICAL SAFETY DATA SHEET

### SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

#### Product Details

Product Name: Copper-based Conductive Mounting Powder

Allied Item No.: 155-10000, 155-10010

Chemical Name: Copper Resin

#### 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 |             |
| Copper            | 7440-50-8 | 1 mg/m3                | 1 mg/m3  |             |
| Particulates, NOC | NA        | NA                     | NA       |             |

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

According to the European Directive 91/155/EC, this product is not a harmful preparation. Principal hazard is caused by dust generation.

### SECTION 4: FIRST AID MEASURES

|               | Potential Health Effects | First Aid/ Medical Info.  |
|---------------|--------------------------|---|
| Eye Contact:  | May cause irritation.    | Remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.                               |
| Skin Contact: | No data.                 | Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Seek medical attention if irritation persists. |
| Inhalation:   | No data.                 | Remove to fresh air and keep at rest. This is an extremely unlikely source of exposure.   |
| Ingestion:    | No data.                 | Do NOT induce vomiting. Drink large amounts of water. Seek medical attention immediately.   |

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: The following vapors may arise during fires: Methacrylate Monomer vapors, carbon monoxide.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Wear an approved dust respirator during clean-up. Pick up powder mechanically, wipe off with plenty of water. Collect in containers for disposal.

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| <p><b>SECTION 7: HANDLING &amp; STORAGE</b></p>  | <p><b>SECTION 12: ECOLOGICAL INFORMATION</b></p>  |
| <p>Handling: Avoid contact with skin and eyes. Observe good housekeeping practices. No eating, drinking, or smoking during use.</p> <p>Storage: Keep in tightly closed original container in well-ventilated areas. Electrical fittings in the immediate area should be dust-proof and grounded.</p>   | <p>This product is insoluble in water. The powder's copper is a maritime pollutant.</p>   |
| <p><b>SECTION 8: EXPOSURE CONTROL &amp; PERSONAL PROTECTION</b></p>  | <p><b>SECTION 13: DISPOSAL INFORMATION</b></p>  |
| <p>Engineering Measures: General and/or local exhaust ventilation.</p> <p>Respiratory Protection: Use OSHA/NIOSH approved respiratory protection if level of air contaminants is excessive.</p> <p>Protective Gloves: Impervious glove. Use of impervious boots and apron recommended.</p> <p>Eye Protection: Safety glasses or chemical splash goggles.</p> <p>Other: Eye wash and shower facility should be available.</p>   | <p>Dispose of waste material 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: Powder<br/>                 Odor: None<br/>                 Solubility: Insoluble @ 68°F (20°C)<br/>                 Boiling Point: NA<br/>                 Melting Point: NA<br/>                 Flash Point: NA<br/>                 Vapor Pressure: NA<br/>                 Vapor Density: NA<br/>                 Evaporation Rate: NA<br/>                 Specific Gravity: NA<br/>                 Flammable Limits LEL: NA<br/>                 Flammable Limits UEL: NA</p> |   |
| <p><b>SECTION 10: STABILITY &amp; REACTIVITY</b></p>   | <p><b>SECTION 15: REGULATORY INFORMATION</b></p>  |
| <p>Stability:</p> <p>Conditions to Avoid/Incompatibles: Avoid acids and strong oxidizer.</p> <p>Decomposition Products: Polymer will decompose at temperatures over 464°F (240°C). Methacrylate Monomer vapors, carbon monoxide..</p> <p>Hazardous Polymerization: Will not occur.</p>   | <p>Maximum values for exposure at the work area:<br/>                 MEL Total inhalable dust 10 mg/m<sup>3</sup> 8 hour TWA<br/>                 Respirable dust 5 mg/m<sup>3</sup> 8 hour TWA<br/>                 Copper Powder TLV: 1 mg/m<sup>3</sup></p>   |
| <p><b>SECTION 11: TOXICOLOGICAL INFORMATION</b></p>  | <p><b>SECTION 16: OTHER INFORMATION</b></p>   |
| <p>If used according to directions, toxicological effects are not known. Avoid breathing dust.</p>   | <p><b>Legend</b><br/>                 NAIF: No Applicable Information Found<br/>                 NA: Not Available/Applicable<br/>                 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 2010</p> |
| <p>Page 2 of 2:</p>  |   |