

MATERIAL SAFETY DATA SHEET

Accucoat 917-T™



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Section 1. Chemical Product and Company Identification

<i>Product name</i> Accucoat 917-T™	<i>Trade Name</i>
<i>Manufacturer</i> Accurate Plastics, Inc. 18 Morris Place Yonkers, NY 10705-1929	<i>IN CASE OF EMERGENCY:</i> Tel: 914-476-0700 Chemtrec:
<i>Date of Preparation:</i> 11/29/07	Replaces: 10/28/04
<i>Preparers Name</i> KJ Soltys	

Section 2. Composition, Information on Ingredients

<i>Component Information</i>		<i>Exposure Limits</i>	
<i>Chemical Name</i>	<i>CAS #</i>	<i>TLV, TWA ACGIH</i>	<i>OSHA PEL, TWA</i>
Copper	7440-50-8	1 mg/m ³ (dust & mists)	1 mg/m ³ (dust)
Epoxy Film	25068-38-6	N/A	N/A

Grinding, cutting, or drilling of epoxy coated copper foil will generate dust and mist containing elemental copper which is regulated by OSHA as noted above.

N/A = Not Applicable

Section 3. Hazards Identification

Routes of Exposure	Symptoms
Inhalation	Inhalation of dust during machining and grinding operations may cause cough, headache, shortness of breath and sore throat.
Skin	Contact with dust may cause irritation and redness.
Eyes	Contact with dust may cause eye irritation, and redness.
Ingestion	Swallowing dust can cause nausea, pain and vomiting
Cancer	For OSHA: NO NTP: NO IARC: NO
Chronic	Prolonged contact with the dust generated during grinding, cutting, or drilling of epoxy coated copper foil can cause skin sensitization.

Section 4. First Aid Measures

Eyes	Immediately wash the eyes with large amounts of water for at least 15 minutes, occasionally lifting the lower and upper lids. Get medical attention immediately.
Skin	Immediately wash the contaminated skin with soap and water. If redness, itching or a burning sensation develops, get medical attention.
Inhalation	Immediately move the exposed person to fresh air. If not breathing give artificial respiration and get immediate medical attention.
Ingestion	If large quantities have been swallowed, DO NOT INDUCE VOMITING. If victim is conscious and alert, give 2 - 4 cups of lukewarm water. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point	N/D
Flammability Classification OSHA/NFPA	Flash Pt. <00°F Class: Solid
Extinguishing Media	Carbon dioxide, water, foam.
Unusual Fire and Explosions Hazards	Isolate fire area and deny unnecessary entry. Fire fighters should wear positive-pressure self-contained breathing apparatus (SCBA) and protective clothing. Heat from fire can generate decomposition products that may cause a health hazard.

Section 6. Accidental Release Measures

Large and Small Spills	Persons not wearing protective equipment should be excluded from the area of spill until cleanup has been completed. If collected dust is spilled from collection container sweep up spilled material using water spray to suppress the dust. Shovel into suitable disposal container. Eliminate all ignition sources.
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Section 7. Handling & Storage

Store material in a clean, cool, ventilated area away from all sources of ignition. Dust generated during normal manufacturing operations can represent both a health hazard and a fire hazard. Use dust control equipment at the point of generation in machining and sawing operations. Wash hands and other exposed areas thoroughly after handling and wash soiled clothing before reuse.

Section 8. Exposure Controls/Personal Exposure

Eye Protection	Minimize dust generating activities. Wear safety goggles with side shield or face shield. Contact lenses must not be worn.
Skin Protection	Wear gloves to protect against sharp edges and thermal effects when handling heated material. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.
Respiratory Protection	If personal exposure cannot be controlled below applicable limits (See Section 2) by area ventilation, wear a properly fitted particulate respirator approved by NIOSH/MSHA for protection against dust.
Ventilation	General area ventilation is acceptable if the exposure is maintained below applicable exposure limits. (See Section 2) Use local exhaust for sawing and machining operations.
Other Precautions	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Section 9. Physical and Chemical Properties

% Volatile Content by Weight	<0.05%	Specific Gravity (gm/cc)	1.6
Melting Point	350°F (150°C)	Freezing Point (°C)	N/A
Vapor Pressure (mm Hg)	N/A	Solubility in Water	Insoluble
Vapor Density (Air=1)	N/A	Appearance and Odor	Odorless Metallic Orange

Section 10. Stability and Reactivity

Stability	Stable
Conditions to Avoid	Protect from heat, sparks, flame and possible sources of ignition.
Incompatibility	Avoid contact with strong acids and bases. Reacts with strong oxidants like chlorates, bromates and iodates, causing an explosion hazard.
Hazardous Decomposition Products	Carbon dioxide, carbon monoxide, copper fume and other hazardous gases.
Hazardous Polymerization	Will Not Occur!

Section 11. Toxicological Information (see Section 3. for Exposure Symptoms)

Acute Toxicity			
Component Tested	Oral (Human Lowest Published Dose)	Subcutaneous LD (rabbit)	Inhalation LC ₅₀ 4hr (rat)
Copper (dust & mist)	0.1 mg/kg	375 mg/kg	N/D

N/D = Not Determined

Section 12. Ecological Information

Not biodegradable.

Section 13 Disposal Considerations

RCRA: This product, if disposed as shipped, is not considered a hazardous waste as specified in 40 CFR 261. Dispose of in accordance with all applicable federal, state and local regulations. Generation of particulates during machining and fabricating operations may be subject to Federal and State Air Pollution Control Laws.

Section 14 Transportation Information

This product, if offered for shipment, is not regulated by USDOT 49 CFR Parts 171 - 180: Regulation of Hazardous Materials Transportation in Commerce.

Shipping Information	N/A
Classification	N/A
Identification	N/A
Packing Group	N/A
Label	N/A
NOT REGULATED AS HAZMAT	

Section 15. Regulatory Information

<i>Regulations Governing Product:</i>			
Inventory Status: United States (TSCA) - All ingredients are on the inventory or exempt from listing.			
SARA TITLE III			
EPCRA 302 EHS Extremely Hazardous Substance Reporting:		N/A	
EPCRA 311/312 Tier II Chemical Inventory Reporting:		Immediate/Acute	
<i>Regulations Governing Ingredients</i>			
<i>Chemical Name</i>	<i>CAS #/Chemical Category</i>	<i>CERCLA RQ</i>	<i>SARA TITLE III EPCRA 313 RQ</i>
Copper	7440-50-8	5000 lbs	25,000 lbs

Section 16 Other Information

REFERENCES
CRC Press: Handbook of Chemical and Physical Constants by David R. Lide
Merck & Company: The Merck Index
Sigma-Aldrich Company: Aldrich Handbook of Fine Chemicals
Dictionary of Toxicology by Robert Lewis
US Department of Commerce, Center for Disease Control, National Library of Medicine TOXNET
US Department of Transportation, Research and Special Programs Administration: Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements

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