



**MATERIAL SAFETY DATA SHEET**  
U.S. Department of Labor  
Occupational Safety & Health Administration

**ROOFDX COPPER**

**SECTION 1 – IDENTIFIER**

MANUFACTURER: Andek Corporation  
ADDRESS: 850 Glen Avenue, P.O. Box 392, Moorestown, NJ 08057 USA  
TELEPHONE: 1-856-786-6900  
In an emergency, contact CHEMTREC toll-free at 1-800-424-9300  
Outside the United States call 1-703-527-3887  
TRADE NAME: RoofdX Copper  
CHEMICAL FAMILY: Copper Extended Ethylene-Styrene Copolymer Solution

**SECTION 2 - HAZARD IDENTIFICATION & EMERGENCY OVERVIEW**

Emergency Overview: Particulates, ashes and soot may be emitted during burning or incomplete combustion. Closed container may rupture under extreme heat.  
Effects of Overexposure:  
SKIN: May irritate skin.  
EYES: Contact may cause severe damage. Vapor may irritate.  
BREATHING: Inhalation may cause headache, dizziness, nausea and irritation.  
SWALLOWING: Harmful or fatal if swallowed.

**SECTION 3 - COMPOSITION**

COMPONENT	CAS #	APPROX %	TLV
Copper Powder	7440-50-8	10.0	
Barium Sulfate	7727-43-7	18.0	
Aluminum Silicate	1344-95-2	0.7	
Cyclic Hindered Phenylamine/ Antioxidant Blend	6683-19-8 84633-54-5	0.2	
Naptha, Light Aromatic Solvent	64742-95-6	41.5	
White Mineral Oil	8042-47-5	5.2	
Hydrocarbon Resin	8020-83-5	6.4	
Ethylene-Styrene Copolymer	100-42-5	18.0	

KNOWN CARCINOGENS OR MUTAGENS – TYPE & DEFINITION - None

#### **SECTION 4 – FIRST AID MEASURES**

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SKIN: Clean thoroughly with pumice-based hand cleaner, followed by soap and water.  
EYES: Flush with clear water for 15 minutes and seek immediate medical attention.  
BREATHING: Move victim to fresh air. If asthmatic conditions occur, seek medical attention.  
SWALLOWING: Do NOT induce vomiting. Seek medical attention immediately.

#### **SECTION 5 – FIRE & EXPLOSION HAZARD DATA**

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FLASH POINT (METHOD USED): 108°F. Closed Cup (ASTM D50).  
FLAMMABLE LIMITS: Lel 0.9, Uel 6.0.  
EXTINGUISHING MEDIA: Carbon dioxide; dry chemical; foam.  
SPECIAL FIRE FIGHTING PROCEDURES: If excessive fumes or smoke is encountered, wear self-contained respiratory equipment and full protective clothing.  
UNUSUAL FIRE & EXPLOSION HAZARDS: Sealed containers may build up pressure if exposed to heat (fire). Water can be used to cool the exterior of the containers.  
DECOMPOSITION PRODUCTS: Oxides of carbon, nitrogen, aluminum, barium, and copper, possible HCN and polyurethane combustion compounds.

#### **SECTION 6 – SPILL OR LEAK PROCEDURES**

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Cover with a layer of sand or other suitable absorbent. Use protective measures as outlined under Section 8 below. Avoid contact with eyes, skin and clothing.

#### **SECTION 7 – HANDLING & STORAGE**

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Avoid prolonged or repeated contact with skin. Avoid contact with moisture. Do not use in confined areas without adequate ventilation.

#### **SECTION 8 – PERSONAL PROTECTION/EXPOSURE CONTROLS**

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RESPIRATORY PROTECTION (SPECIFY TYPE): In confined spaces, use fresh air hood or NIOSH certified organic vapor canister unit.  
EYE PROTECTION: Safety goggles or face shield.  
SKIN PROTECTION: Nitrile rubber gloves.  
OTHER PROTECTIVE EQUIPMENT: Coveralls and/or rubber apron, rubber shoes or boots.  
PERSONAL HYGIENE: Wash thoroughly after using.

#### **SECTION 9 – PHYSICAL DATA**

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<b>BOILING POINT (F)</b>	312°	<b>SPECIFIC GRAVITY (H20=1)</b>	1.05
<b>VAPOR PRESSURE</b>	10	<b>PERCENT, VOLATILE BY VOLUME</b>	41.5
<b>VAPOR DENSITY (AIR=1)</b>	<4.8	<b>EVAPORATION RATE (N.B.A.=1)</b>	0.2
<b>SOLUBILITY IN WATER</b>	Insoluble	<b>pH (5% SLURRY)</b>	Neutral

#### **APPEARANCE & ODOR**

Bronze liquid with aromatic solvent odor.

#### **SECTION 10 - REACTIVITY DATA**

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STABILITY: Stable.  
INCOMPATIBILITY (MATERIALS TO AVOID): Water (moisture); alcohols; amines; strong acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Possible HCN.  
HAZARDOUS POLYMERIZATION: Will not occur.  
CONDITIONS TO AVOID: Acids, strong oxidizers.

#### **SECTION 11 - TOXICOLOGICAL INFORMATION**

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See reference data for individual components.

#### **SECTION 12 - ECOLOGICAL INFORMATION**

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See reference data for individual components.

#### **SECTION 13 - DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with local, state and federal regulations/absorb with sand.

#### **SECTION 14 - TRANSPORT INFORMATION**

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PROPER SHIPPING NAME: Paint

HAZARD CLASS: 3

PACKING GROUP: III

ID #: UN 1263

RQ: None

TRANSPORT LABELS REQUIRED: Flammable liquid. (In the U.S., this material may be re-classified as a combustible liquid and is not regulated in containers less than 119 gallons via surface transportation.)

#### **SECTION 15 - REGULATORY INFORMATION**

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See reference data for individual components.

#### **SECTION 16 - OTHER INFORMATION (HMIS RATING)**

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Health	1
Flammability	2
Physical Hazard	0
Personal Protection	G

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