

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

## ROOFDX COPPER

### **SECTION 1 - IDENTIFIERS**

MANUFACTURER: Andek Corporation  
 ADDRESS: 850 Glen Avenue, Moorestown, NJ 08057  
 TELEPHONE: 1-856-786-6900  
 In an emergency, contact CHEMTREC 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	1332-58-7	0.7	
Cyclic Hindered Phenylamine/ Antioxidant Blend	6683-19-8} 84633-54-5}	0.2	
Naphtha, 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 known

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

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**

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**

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**

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**

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**

BOILING POINT (F)	312°	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.05
VAPOR PRESSURE	10	PERCENT, VOLATILE BY VOLUME	41.5
VAPOR DENSITY (AIR=1)	<4.8	EVAPORATION RATE (N.B.A.=1)	0.2
SOLUBILITY IN WATER	Insoluble	pH (5% SLURRY)	Neutral

APPEARANCE & ODOR - Bronze liquid with aromatic solvent odor.

**SECTION 10 - REACTIVITY DATA**

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**

See reference data for individual components.

**SECTION 12 – ECOLOGICAL INFORMATION**

See reference data for individual components.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

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

**SECTION 14 – TRANSPORT INFORMATION**

PROPER SHIPPING NAME:	Paint
HAZARD CLASS:	3
PACKING GROUP:	3
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**

See reference data for individual components.

**SECTION 16 – OTHER INFORMATION (HMIS RATING)**

Health	1
Flammability	2
Physical Hazard	0
Personal Protection	G

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