



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

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 (H20=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: 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

See reference data for individual components.

SECTION 16 - OTHER INFORMATION (HMIS RATING)

Health	1
Flammability	2
Physical Hazard	0
Personal Protection	G

This information accumulated herein is believed to be accurate but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances. Andek Corporation assumes no legal responsibility for use of or reliance upon the information contained in this MSDS.

DATE ISSUED: OCTOBER 2007