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SECTION 1: PRODUCT IDENTIFICATION

Product Name: Metal Roofing Products: UC-1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 14, 600,

601, 700; UR, HR, VR, 5VC, Flat Lock, ES-1, 2, 3, 4; sheet and

coil stock, UNA-Edge DE, GS, CO; Brake metal

Chemical Name / Synonym: Revere Copper – Evergreen or Patina Copper, ASTM B370,

B882

Chemical Family: None

24-Hour Emergency Phone: (800) 424-9300 CHEMTREC

Manufacturer's Name: Firestone Metal Products Company

Manufacturer's Address: 250 West 96th Street, Indianapolis, IN 46260

NFPA Hazard Rating: Health 1, Flammability 0, Reactivity 0
HMIS Hazard Rating: Health 1, Flammability 0, Reactivity 0

SECTION 2: CHEMICAL COMPOSITION				
Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Copper	None	7440-50-8	≥99.5	1 mg/m ³ (dust) TLV 1 mg/m ³ (dust) PEL 0.2 mg/m ³ (fume) TLV 0.1 mg/m ³ (fume) PEL

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure:

Inhalation and skin.

Signs and Symptoms of Exposure:

General handling of metal products typically do not present a health hazard. Sharp metal edges may cause skin cuts.

Upon welding, cutting, or welding on materials the following

signs and symptoms of exposure:

Dusts and fumes generated during welding, cutting or welding activities can cause irritation to the eyes, respiratory tract and mucous membranes. A metallic or sweet taste sensation and/or discoloration of the skin and hair may occur in some instances to high exposures. Exposures to high concentrations of copper may cause gastrointestinal distress and conditions similar to metal fume fever; symptoms including muscular pain, chills, nausea and vomiting. Symptoms typically last for 24-48 hours, and are not life-threatening nor cause any permanent

damage.

Medical Conditions Aggravated by

Exposure:

As a fume or dust, chronic respiratory disorders, including (but not limited to) asthma, chronic bronchitis and emphysema.

Chronic Effects: No chronic effects are expected due to general handling or

heating of metal products.

Carcinogenicity: None.

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SECTION 4: FIRST AID MEASURES

First Aid Procedures:

Treat skin cuts via washing wound with soap and clean water, and apply antibiotic.

If particles from this material contact the eyes, hold eyelids open and flush immediately with a gentle stream of water for at least 15 minutes, preferably at an eyewash fountain. If particles become imbedded, or irritation continues, get medical attention. Following skin contact, clean immediately by washing affected area with soap and water. In case of inhalation of fumes or dusts, remove to fresh uncontaminated air. Administer oxygen if breathing is labored. Give artificial respiration if breathing has stopped. Get medical attention immediately if oxygen or artificial respiration are administered. While an unlikely means of exposure, in case of accidental ingestion, do not induce vomiting. Get medical attention and advise the physician of the nature of the material.

SECTION 5: FIRE FIGHTING PROCEDURES

Suitable Extinguishing Media: Not applicable. Material will not burn unless involved in an

intense fire supported by surrounding materials. In this case, extinguish using suitable media for surrounding materials.

Hazardous Combustion Products:

Various metal oxides and carbon oxides.

Recommended Fire Fighting

Procedures:

Unusual Fire and Explosion

Hazards:

not permit water to come in contact with molten metal. None for solid material. Small chips, dust or other fines may be readily ignitable, generating considerable heat. Molten

No special procedures recommended for solid material. Do

metal will splatter when it comes in contact with water.

SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case

Material is Released or Spilled:

Not Applicable for solid material. When cleaning up fine dusts. avoid creating airborne dust. Use non-sparking tools, and

avoid water.

Precautions to Be Taken in Handling and Storing:

Keep dry.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Activities involving the generation of high amounts of fine dusts

> and/or fumes should be evaluated to determine if additional local exhaust is necessary. If a local exhaust system is used,

explosion-proof equipment may be warranted.

Activities involving the generation of high amounts of fine dusts Respiratory Protection:

and/or fumes should be evaluated to determine if a NIOSH approved air purifying respirator may be appropriate based on employer-determined exposure levels. Air supplied or SCBA respirators may be required when the measured chemical concentration exceeds the capacity of the air purifying respirator or when personal exposure levels are unknown.

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Safety glasses with side shields may be warranted when cutting Eye Protection:

or grinding on this product. Employer-determined protective eve ware for welding, torching or other hot-work activities is

required.

Skin Protection: Cut-resistant gloves may be warranted while handling solid

material. Welding or other hot-work gloves may be warranted when carrying out welding, cutting or other hot-work activities

involving this material.

Other: Other protective clothing may be warranted depending upon

the activities involving this material. The employer must make

this determination.

Work / Hygienic Practices: Wash exposed skin prior to eating, drinking or smoking and at

the end of each shift.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Solid metal, blue-green color, with no odor.

Flash Point: Not Applicable Lower Explosive Limit: Not

Applicable

Method Used: Not Applicable Upper Explosive Limit: Not

Applicable

Evaporation Rate: Not Applicable **Boiling Point:** Not

Applicable

1976-1981 °F pH (undiluted product): Not Applicable Melting Point:

Negligible Solubility in Water: Specific Gravity: 8.9 Percent Volatile: Vapor Density: Not Applicable Not

Applicable

Vapor Pressure: Not Applicable

SECTION 9: STABILITY AND REACTIVITY

Thermal Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: None when material is in solid form. When dusts, chips or

other fines are present, avoid water, strong oxidizers, acids,

alkalis, and halogenated compounds.

SECTION 10: TRANSPORTATION

Regulatory Agency: Not Regulated Proper Shipping Name: Not Applicable Hazard Classification: Not Applicable

Identification Number:

Not Applicable Labels Required: Not Applicable

Other Requirements: Not Applicable

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SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments: None.

Date of Previous MSDS: January 11, 2008

Changes Since Previous MSDS: Company name change

Telephone Number for Additional (317) 575

Information:

(317) 575-7190

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