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U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

| | | |
|---|-------------------------------|---|
| MANUFACTURER'S NAME CERAMIC COLOR & CHEMICAL MFG. CO. | | EMERGENCY TELEPHONE NO. 412-846-4000 |
| ADDRESS (Number, Street, City, State, and ZIP Code) 13TH STREET & 11TH AVENUE NEW BRIGHTON, PA 15066 | | |
| CHEMICAL NAME AND SYNONYMS | | TRADE NAME AND SYNONYMS COPPER CARBONATE |
| CHEMICAL FAMILY METAL CARBONATE CAS 12069-69-1 | FORMULA Cu CO ₃ | |

SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS | % | TLV (Units) | ALLOYS AND METALLIC COATINGS | % | TLV (Units) |
|--|---|-------------|--|----|--------------------|
| PIGMENTS | | | BASE METAL | | |
| CATALYST | | | ALLOYS | | |
| VEHICLE | | | METALLIC COATINGS | | |
| SOLVENTS | | | FILLER METAL PLUS COATING OR CORE FLUX | | |
| ADDITIVES | | | OTHERS | | |
| OTHERS | | | | | |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES | | | | % | TLV (Units) |
| THE THRESHOLD LIMIT VALUE FOR CUPRIC CARBONATE AS ADOPTED BY ACGIH FOR 1971 HAS NOT BEEN ESTABLISHED. THE 8 HOUR TIME WEIGHTED AVERAGE FOR COPPER DUSTS AND MISTS IS 1 mg/M ³ . | | | | 98 | 1mg/M ³ |

SECTION III - PHYSICAL DATA

| | | | | |
|-------------------------|-----------------------------|--------|---------------------------------------|----------------|
| BOILING POINT (°F.) | Solid | 1800°C | SPECIFIC GRAVITY (H ₂ O=1) | 4.0 |
| VAPOR PRESSURE (mm Hg.) | | NA | PERCENT, VOLATILE BY VOLUME (%) | Less than 1/3% |
| VAPOR DENSITY (AIR=1) | | NA | EVAPORATION RATE (- =1) | NA |
| SOLUBILITY IN WATER | Less than | 1/2% | | |
| APPEARANCE AND ODOR | Black finely divided powder | | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | | |
|------------------------------------|---------------|------------------|-----|-----|
| FLASH POINT (Method used) | NA | FLAMMABLE LIMITS | Lel | Uel |
| EXTINGUISHING MEDIA | NA | | | |
| SPECIAL FIRE FIGHTING PROCEDURES | DOES NOT BURN | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | NONE KNOWN | | | |