

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

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|--------------------|---|---------------|---------------|
| Product Name: | Copper Plate HT | Date Prepared | Feb. 18, 2013 |
| Product Number(s): | G - 125 | Replaces | Dec. 8, 2009 |
| Product Use: | High Temperature Copper Coat | | |
| Company Name: | Encore Industrial Products, LLC P.O. Box 941119 Houston, TX 77094-1119 | | |
| Telephone Numbers: | (281) 944-4777, (877) 703-3044, Fax (281) 944-4778 | | |
| Emergencies: | I (877) 703-3044 Ex. 405 (24 hours, everyday) | | |

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200):

| <u>Chemical Name</u> | <u>CAS Registry No.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>Other Limits</u> | <u>% (Optional)</u> |
|--------------------------------|-----------------------------|-----------------|---------------------|---------------------|-------------------------|
| Methylene Chloride | 75-09-2 | | 50 ppm | | |
| Copper | 7440-50-8 | | 1 mg/m ³ | | |
| Propane/Butane/Isobutane Blend | 68476-86-8 | | 1000 ppm | | |

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Causes irritation to eyes, skin and respiratory tract. Hazardous if swallowed.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Eye irritant. Will cause redness and burning sensation.

SKIN CONTACT: Skin irritant. Will cause defatting of skin. Effects are reversible.

INHALATION: Effects of overexposure include irritation of respiratory tract, headache, dizziness, nausea, and loss of coordination. Extreme overexposure may result in unconsciousness and possibly death.

INGESTION: Aspiration hazard if swallowed.

Overexposure to methylene chloride can raise the level of carbon monoxide in the blood. Cardiovascular problems may be aggravated by overexposure to methylene chloride. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular, and nervous systems. Repeated and prolonged overexposure to solvents may cause permanent brain and nervous system damage.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

CARCINOGENICITY: NTP? Not determined IARC Monographs? Not determined OSHA Regulated? Not determined.

SECTION 4 FIRST-AID MEASURES

EYE CONTACT: Immediately flush with large quantities of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Seek medical attention.

SKIN CONTACT: Immediately flush exposed area with water for at least 15 minutes. If irritation persists, get medical attention. Remove contaminated clothing and launder before reuse.

INHALATION: Remove person to fresh air. If irritation persists, give oxygen, get medical attention.

INGESTION: Do not induce vomiting! Seek medical attention immediately. Note: Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet.



SECTION 5 FIRE-FIGHTING MEASURES

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| FLASHPOINT: | >200° F |
| FLASHPOINT (Propellant): | <0° F |
| FLAMMABLE LIMITS: | LEL: 1.9 UEL: 9.5 |
| AUTOIGNITION TEMP: | Not determined |
| FIRE EXTINGUISHING MEDIA: | Use water fog, dry chemical or carbon dioxide. |
| SPECIAL INFORMATION: | Aerosol cans may rupture when heated. |
| Unusual Fire and Explosion Hazards: | Heated cans may burst. |

SECTION 6 ACCIDENTAL RELEASE MEASURES

Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.

SECTION 7 STORAGE AND HANDLING

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| HANDLING: | When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator. |
| STORAGE: | Store at temperatures below 120° F. Keep away from children. For use by trained personnel only. Keep away from heat, sparks, or open flame. For industrial and institutional use only. Keep container closed during storage. |

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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| EXPOSURE CONTROLS: | Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit. |
| PERSONAL PROTECTION: | |
| EYES: | Safety glasses or chemical splash goggles. |
| HANDS: | None required if spraying. |
| RESPIRATORY: | Self-contained breathing apparatus if above TLV limit. |
| FEET: | None required. |
| BODY: | Long sleeves and long pants. |
| Work/Hygienic Practices: | Do not smoke while using. Wash hands after use. |

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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| APPEARANCE AND ODOR: | Copper lubricant in appearance with an industrial lubricant odor. |
| VAPOR PRESSURE: | NA. |
| VAPOR DENSITY: | Heavier than air. |
| SOLUBILITY IN WATER: | Nil |
| BOILING POINT: | <0 to 105°F |
| FREEZING / MELTING POINT: | Greater than 120° F |
| EVAPORATION RATE: | Slower than Ether. |
| VOC:17.5% pH: NA Specific Gravity: 1.25 + 0.05 | |

SECTION 10 STABILITY AND REACTIVITY

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| STABILITY: | Stable |
| CONDITIONS TO AVOID: | High temperatures. |
| INCOMPATIBILITY (Materials to Avoid): | None known. |
| HAZARDOUS POLYMERIZATION: | Will not occur. |
| HAZARDOUS DECOMPOSITION PRODUCTS: | In fire, will decompose to carbon dioxide, carbon monoxide, hydrogen chloride. |

SECTION 11 TOXICOLOGICAL INFORMATION

No information available.

SECTION 12 ECOLOGICAL INFORMATION

No information available.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose as hazardous waste in accordance with EPA RCRA.

SECTION 14 TRANSPORT INFORMATION

U.S. Department of Transportation:
Not regulated.

SECTION 15 REGULATORY INFORMATION

TSCA: All components of this product are listed on the TSCA inventory.

CERCLA: No reportable ingredients

SARA TITLE III:

Section 311/312 Hazard Category: Acute: No Chronic: No Fire: No Pressure: No Reactive Hazard: No

Section 313 Reportable Ingredients:

Methylene Chloride 75-09-2

SECTION 16 OTHER INFORMATION

NFPA RATING: Health – 2, Flammability – 3, Reactivity – 0, PPE - B

HMIS[®] RATING: Health – 2, Flammability – 3, Reactivity – 0, PPE - B

HMIS[®] ratings are to be used with a fully implemented HMIS[®] program. HMIS[®] is a registered mark of the National Paint and Coatings Association (NPCA).

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