

MATERIAL SAFETY DATA SHEET

Copper Kil

SECTION I

| | | |
|-------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------|
| MANUFACTURER'S NAME LaMotte Chemical Products Company | | EMERGENCY TELEPHONE NO. 301-778-3100 |
| ADDRESS (Number, Street, City, State, and ZIP Code) P O Box 329, Chestertown, MD 21620 | | |
| CHEMICAL NAME AND SYNONYMS ----- | | TRADE NAME AND SYNONYMS (Code 6446) Copper Reagent |
| CHEMICAL FAMILY ----- | FORMULA ----- | |

SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS | % | TLV (Units) | ALLOYS AND METALLIC COATINGS | % | TLV (Units) |
|-------------------------------------------------------|---|-------------|------------------------------------------|-----------------|-------------|
| PIGMENTS | | | BASE METAL | | |
| CATALYST | | | ALLOYS | | |
| VEHICLE | | | METALLIC COATINGS | | |
| SOLVENTS N | | | FILLER METAL PLUS COATING OR CORE FLUX N | | |
| ADDITIVES A | | | OTHERS A | | |
| OTHERS | | | | | |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES | | | | % | TLV (Units) |
| Sodium Diethyldithiocarbamate | | | | CAS #20624-25-3 | 1 |
| Ammonia | | | | CAS #7664-41-7 | 1.4% |
| | | | | | |
| | | | | | |

SECTION III - PHYSICAL DATA

| | | | |
|-------------------------|--------------------------------------------|---------------------------------------|---------|
| BOILING POINT (°F.) | unknown | SPECIFIC GRAVITY (H ₂ O=1) | unknown |
| VAPOR PRESSURE (mm Hg.) | unknown | PERCENT VOLATILE BY VOLUME (%) | unknown |
| VAPOR DENSITY (AIR=1) | unknown | EVAPORATION RATE (----- =1) | unknown |
| SOLUBILITY IN WATER | soluble | | |
| APPEARANCE AND ODOR | Clear, colorless liquid with pungent odor. | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | |
|-------------------------------------------------------|------------------|-----|-----|
| FLASH POINT (Method used) | FLAMMABLE LIMITS | LeI | UeI |
| EXTINGUISHING MEDIA | | | |
| SPECIAL FIRE FIGHTING PROCEDURES NOT A FIRE HAZARD | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | | | |

| SECTION V - HEALTH HAZARD DATA | |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| THRESHOLD LIMIT VALUE | Unknown |
| EFFECTS OF OVEREXPOSURE | May cause skin irritation, vapors irritating. |
| EMERGENCY AND FIRST AID PROCEDURES | |
| Eye contact - immediately flush with water for 15 min. Consult a physician. | |
| External - immediately flush with water. Remove contaminated clothing and flush skin thoroughly. Wash thoroughly with soap and water. | |
| Internal - do not induce vomiting; rinse mouth with water, give glassful of water. Consult a physician. | |

| SECTION VI - REACTIVITY DATA | | | |
|--------------------------------------------|----------------|---|---------------------|
| STABILITY | UNSTABLE | | CONDITIONS TO AVOID |
| | STABLE | X | Avoid acids |
| INCOMPATIBILITY (Materials to avoid) acids | | | |
| HAZARDOUS DECOMPOSITION PRODUCTS N/A | | | |
| HAZARDOUS POLYMERIZATION | MAY OCCUR | | CONDITIONS TO AVOID |
| | WILL NOT OCCUR | X | |

| SECTION VII - SPILL OR LEAK PROCEDURES | |
|--------------------------------------------------------------------------------------------------------------|--|
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED | |
| Carefully neutralize with 6M HCl. Mop up and wash down drain with large excess of water. | |
| WASTE DISPOSAL METHOD | |
| Work in hood. Pour into large volume of water, neutralize with 6M HCl and pour down drain with excess water. | |

| SECTION VIII - SPECIAL PROTECTION INFORMATION | | | |
|-----------------------------------------------|----------------------|----------------|----------------|
| RESPIRATORY PROTECTION (Specify type) none | | | |
| VENTILATION | LOCAL EXHAUST | X | SPECIAL |
| | MECHANICAL (General) | | OTHER |
| PROTECTIVE GLOVES | plastic gloves | EYE PROTECTION | safety glasses |
| OTHER PROTECTIVE EQUIPMENT lab coat | | | |

| SECTION IX - SPECIAL PRECAUTIONS | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING | |
| Keep container tightly closed. Avoid extremes of temperature. Store away from acids. Avoid contact with skin or clothing. Use with adequate ventilation and | |
| OTHER PRECAUTIONS | avoid breathing vapors. |

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