



# Safety Data Sheet



## Section 1 - Identification

**Formula ID: Metallic Inks all with Prefixes - MSF, MHS, MRF, MLP, MRB MNH, MAK, MIV, MHN** (See attached sheet for PMS numbers that this SDS applies to.)

### Supplier

Mallard Ink Company  
2800 Anthony Lane S.  
St. Anthony, MN 55418  
(612) 788-0880

## Section 2 – Hazard Identificaiton

Hazard Ratings (**NFPA**) Health: 1 Flammability: 1 Reactivity: 0

Legend: Minimal - 0, Slight - 1, Moderate - 2, Serious - 3, Severe - 4

Hazard Ratings (**GHS**) Health: 4 Flammability: 4 Reactivity: 4

Legend: Slight/Minimal - 4, Moderate - 3, Serious - 2, Severe - 1

The information contained herein is believed accurate as of the date stated (§16). However we make no warranty with respect thereto and disclaim all liability for reliance thereon. Information furnished herein is for the individual review and determination of suitability for each specific purpose or use.

## Section 3 - Hazardous Ingredients

Additive:	Percentage if applicable:	Comments:
Copper	5 – 40 %	CAS # - 7440-50-8
Zinc	5 – 15 %	CAS # - 7440-66-6

This product contains a toxic chemical or chemicals subject to the Reporting Requirements of Section 313 of the Emergency Planning and Community Right to know Act of 1986 and of 40 CFR 372

## Section 4, Emergency First Aid Procedures

Inhalation: Remove from exposure, restore normal breathing, call physician.

Eyes: Flush with water for 15 minutes, call physician.

Skin: Wash with soap and water, remove contaminated clothing.

Ingestion: If swallowed, do not induce vomiting, call physician

## Section 5 - Fire & Explosion Data

- Flammability: OSHA: III B
- Flash Point: 240° F
- LEL: 1:1 (For solvent vapors present in mixture)
- Classification: DOT: Not Regulated
- Determination Method: PMCC
- UEL: N/A
- Extinguishing Media: FOAM: YES
- Alcohol Foam: NO
- Fog: YES
- CO<sub>2</sub>: YES
- Dry Chemical: YES
- Other: NONE
- Unusual Fire and Explosion Hazards: NONE
- Special Fire Fighting Procedures: Water may be used to cool containers.



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## Section 6 - Spill or Leak Procedures

Remove all sources of ignition. Avoid breathing concentrated vapors. Ventilate area of spill. Scoop paste ink into disposal container. Wash or steam clean area.

Waste Disposal Method: Landfill or incinerate in accordance with local, State and Federal Regulations.

## Section 7 – Handling and Storage

Keep away from heat sources, sparks, and open flame. Store in closed containers  
Product components are included in the TSCA list of raw materials

## Section 8 – Exposure controls/personal protection

Provide general dilution or exhaust ventilation in volume or pattern to keep TLV of ingredients below PEL.  
Wear protective gloves for prolonged or repeated contact.  
Use BOM approved respirators or hoods in confined areas.  
Safety goggles or face shield under conditions where material may splash.  
Prevent prolonged skin contact with contaminated clothing.

## Section 9 - Physical Data

- Boiling range of solvent: 450° -535° F
- Vapor density is heavier than air
- Evaporation rate is slower than butyl acetate
- Liquid density is heavier than water
- Solubility in water: Insoluble
- Appearance: Paste
- Material has a petroleum distillate odor
- Pounds/Gal: 8.6 - 8.9
- VOC Content: 4.5 – 15%
- VOC Method: Method 24

## Section 10 - Reactivity

Product is Stable

Conditions to Avoid: Strong Oxidizing agents, sources of ignition, and excessive heat.

## Section 11 – Toxicological Information

Effects of Overexposure: Generally classified as non-toxic. Excessive inhalation of solvent fumes may cause respiratory tract irritation, headache, and dizziness.

Prolonged contact with skin may cause irritation and/or dermatitis. Ingestion causes digestive tract irritation, headache and dizziness.

Primary Routes of Entry: Dermal, or Inhalation of Fumes.

## Section 16 – Other information

Last revised: 07/15/2014