

Hazard Ratings	
Minimal.....0	HEALTH 1
Slight.....1	FLAMMABILITY 1
Moderate.....2	REACTIVITY 0
Serious.....3	PERSONNEL
Severe.....4	PROTECTION B

## MATERIAL SAFETY DATA SHEET

Date of Preparation: September 14, 1998

Prepared by: Steve Clark

### SECTION 1

Manufacturer's Name: MD-Both Industries

Street Address: 850 Hawthorne Lane, West Chicago, IL 60185

Emergency Telephone #: CHEMTREC 800-424-9300 24HRS

Product Class: Ready-mixed Waterbased Metallic Gold Ink

Trade Name: Unipak Standard Flexo Waterbased Gold Ink

Product Codes: 2013, 2030

### SECTION 2 -- HAZARDOUS INGREDIENTS

This product contains the following toxic chemical subject to the reporting requirements of section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS Number</u>	<u>Chemical</u>	<u>% by weight</u>	<u>TLV (8 hr TWA)</u>	<u>LEL</u>	<u>Vapor pressure</u>
7440-50-8	Copper	See page 3	1mg/m <sup>3</sup> (as dust)	N/A	N/A

This product also contains the following hazardous ingredients:

7440-66-6	Zinc	See page 3	10 mg/m <sup>3</sup> (as dust)	N/A	N/A
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All ingredients in this product are listed in the TSCA inventory and are found on the Canadian DSL.

### SECTION 3 -- PHYSICAL DATA

Boiling point (deg. F): 212.0  
Type of odor: Mild acrylic odor  
Appearance: Gold colored liquid  
Evaporation rate: Slower than butyl acetate

Vapor density: Heavier than air  
% VOC: <1.0%  
% Total Solids : 45-50

### SECTION 4 -- FIRE AND EXPLOSION DATA

Flammability Classification: OSHA : III B  
DOT: Not regulated

Flash Point of solvent (deg. F): >200°F

Extinguishing Media: Foam, carbon dioxide, dry chemical, sand.

Unusual Fire and Explosion Hazards: Closed containers may explode when exposed to extreme heat.

Special Fire fighting Procedures: Use supplied air breathing apparatus.

### SECTION 5 -- HEALTH HAZARD DATA

#### Effects of Overexposure:

Eye contact: May cause irritation.

Skin contact: May cause dryness, irritation, or dermatitis.

Ingestion: May cause irritation of gastrointestinal tract.

Primary Routes of Entry: Skin contact.

#### Emergency and First Aid Procedures:

Eye contact: Flush with large amounts of water for 15 minutes or until irritation subsides.  
If irritation persists, call physician.

Skin contact: Wash with soap and water. Remove and wash contaminated clothing.

Ingestion. Do not induce vomiting. Call physician.

### SECTION 6 -- REACTIVITY DATA

Product Stability: Stable under normal conditions.

Conditions to avoid: Extreme heat. Avoid contact with strong oxidizing agents.

Hazardous decomposition products: Incomplete combustion can form carbon monoxide, smoke, or fumes.

### SECTION 7 -- SPILL OR LEAK PROCEDURES

Procedure When Material Spilled or Released: Scoop up material and place in suitable container. Absorb excess solvent with sand or dry earth.

Waste Disposal Method: Dispose of contaminated material in an approved landfill or an approved incinerator that can accept metal containing organic waste.

**SECTION 8 -- SPECIAL PROTECTION INFORMATION**

**Protective Gloves:** Use chemical resistant gloves to avoid prolonged skin contact.

**Respiratory Protection:** Not normally required if product is used in sufficiently ventilated area.

**Eye Protection:** Use chemical goggles to minimize chances of contact with eyes.

**SECTION 9 -- SPECIAL PRECAUTIONS**

**Handling and Storage:** Store in closed containers in a cool, dry, well-ventilated area.

**Other Precautions:** Do not ingest. Avoid prolonged contact with skin, contact with eyes, and breathing vapor.

**PER CENT BY WEIGHT OF COPPER AND ZINC IN  
READY-MIXED METALLIC INKS SUPPLIED BY MD-BOTH.**

<u>Product Code</u>	<u>Shade</u>	<u>% Copper</u> (CAS No. 7440-50-8)	<u>% Zinc</u> (CAS No. 7440-66-6)
2013	PMS 874	31	6
2030	Richpale	29	8

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