MATERIAL SAFETY DATA SHEET

DATE: 8-18-98
PREPARED BY: Jay E. Brooks

HMIS Ratings	
Health	1
Flammability	1
Reactivity	0
Personal Protection	B or SG

SECTION #1

Manufacturer's Name: **MD-Both Industries**
Street Address: 850 Hawthorne Lane, West Chicago, IL 60185
Emergency Telephone Number #: CHEMTREC 1-800-424-9300 24HRS

Product Class: Metallic Offset Ink
Trade Names: Ready-mixed Gold Offset Ink
Product Codes:
9222,9223,9224,9225,9226,9227,9228,9229,9230,9258,9271,9272,9273,9274,9275,9276,9410,9471, 9472,9473,9474,9475,9476,9488,9493,9494,9572,9582,9646,9647,9652,9698,9699,9700,9761,9971, 9972,9973,9974,9975,9976

SECTION #2 HAZARDOUS INGREDIENTS

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

Name	CAS#	TSCA#	% by weight	OSHA PEL	ACGIH TLV(TWA)
Copper	7440-50-8	A546-0888	**	1 mg/m3	1 mg/m3

This product also contains the following hazardous ingredients.

Name	CAS#	LEL	% by weight
Light petroleum distillate	64741-91-9	0.6%	**

** See attached Chart

All of the components of this material are listed in the TSCA inventory and are found on the Canadian DSL.

SECTION #3 PHYSICAL DATA

Boiling range (deg.F): 534-592
Vapor density: Heavier than air
Odor: Mild petroleum solvent odor
Evaporation rate: Slower than butyl accetate

Pounds/gallon 12.3 - 12.7, Density (gm/cc) 1.47 - 1.52
Liquid density: Heavier than water.
Appearance: Gold Colored Paste
%VOC: 18-21

SECTION #4 FIRE AND EXPLOSION DATA

MATERIAL SAFETY DATA SHEET

Flammability Classification: OSHA: Not classified DOT: Not regulated
Flash point of solvent (deg. F): Minimum 210 by Pensky Martens Closed Cup
LEL of solvent: 0.6%
Extinguishing Media: Carbon Dioxide, Dry Powder, Foam, Sand.

Unusual Fire and Explosion Hazards: Closed containers may explode when exposed to extreme heat.
Special Firefighting Procedures: Closed containers may be kept cool by a water spray. However, water is not a suitable extinguishing medium.

SECTION #5 HEALTH HAZARD DATA

Possible Carcinogen: No
Effects of overexposure:
Eye contact: May cause irritation
Skin contact: May cause dryness, irritation, or dermatitis
Inhalation: Solvent vapors may cause aspiration of small amounts of material into lungs resulting in possible irritation of mucous membranes or central nervous system damage.

Primary routes of entry: Inhalation of solvent vapors; skin contact

Emergency and first aid procedures:
Eyes: Flush with large amounts of water for 15 minutes or until irritation subsides. If irritation persists, call physician.
Skin: Wash with soap and water. Remove and wash contaminated clothing.
Breathing: Remove to fresh air. Restore normal breathing.
Ingestion: Do not induce vomiting. Call physician.

SECTION #6 REACTIVITY DATA

Product Stability: Stable. Product will not react violently with water.
Conditions to avoid: Extreme heat, sparks, open flames
Hazardous decomposition products: None
Hazardous polymerization: Will not occur.

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: Landfill in approved area or incinerate in approved incinerator in accordance with local, state, and federal regulations.

SECTION #8 SPECIAL PROTECTION INFORMATION

Ventilation: Use ventilation sufficient to prevent buildup dangerous concentrations of solvent vapor.
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.
Other Protective Equipment: Use chemical apron when handling large quantities of material.

MATERIAL SAFETY DATA SHEET

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.

The information contained in this data sheet was obtained from sources we believe are reliable but cannot guarantee. Your use of this information is beyond our control. Therefore, the information is provided without any representation or warranty.

The purpose of the following addition to this MSDS is to inform you that these products contain toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of CFR 372. We are required to notify you of the presence of these chemicals under this Act. This law requires certain manufacturers to report on annual emissions of specified toxic chemicals and chemical categories.

On the accompanying chart inks supplied by MD-Both are listed according to their 4-digit product code. Next to each code number is shown the percentage of each reportable chemical it contains.

Please note that if you repackage or otherwise redistribute this product to industrial customers, a notice similar to this one should be sent to those customers. Any copies or redistribution of this MSDS must include this information.
3

Product Code	% Copper CAS 7440-50-8	% Zinc	% VOC
9222	31	13	19.4
9223	38	6	18.4
9224	41	3	18.7
9225	33	13	21.7
9226	40	6	21.7
9227	44	2	21.7
9228	31	13	19.6
9229	38	6	18.9
9230	41	3	18.9
9258	41		18.9
9271	31	13	20
9272	32	12	20
9273	36	8	20
9274	37	6	20
9275	37	7	20
9276	41	1.1	20
9410	38		18
Product Code	% Copper CAS 7440-50-8	% Zinc	% VOC