

Hazard Ratings			
Minimal	0	HEALTH	2
Slight	1	FLAMMABILITY	1
Moderate	2	REACTIVITY	1
Serious	3	PERSONAL PROTECTION	C
Severe	4		

MATERIAL SAFETY DATA SHEET

Date of Preparation: June 2005

Prepared by: Nicholas Rink

SECTION 1

Manufacturer's Name: Wolstenholme International Inc

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

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

Product Class: Metallic UV Flexo Ink

Trade Name: Unipak SuperCure UV Flexo Gold Ink

Product Codes: 8228, 8230, 8231, 8232, 8233, 8234, 8235, 8236

SECTION 2 -- HAZARDOUS INGREDIENTS

The following ingredient is 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.

<u>CAS No.</u>	<u>Chemical</u>	<u>% by weight</u>	<u>TLV</u>
7440-50-8	Copper	See chart below	1 mg/m ³

This product also contains the following hazardous ingredients.

<u>CAS No.</u>	<u>Chemical</u>	<u>% by weight</u>	<u>TLV</u>
7440-66-6	Zinc	See Appendix 1	10 mg/m ³ (as nuisance dust)
Trade secret	Oligomer	See Appendix 1	N/A
Trade secret	Monomer	See Appendix 1	N/A

All of the components of these products are listed in the TSCA Inventory and the Canadian DSL.

SECTION 3 -- PHYSICAL DATA

Boiling Point: Greater than 100°C ^{- 212° f} Flash point: Greater than 100°C VOC: 0%
Vapor Pressure: <1mm Hg (20°C) Solubility: Not soluble in water

Type of odor: Mild acrylic odor Appearance: Gold colored paste

SECTION 4 -- FIRE AND EXPLOSION DATA

Flammability Classification: DOT: Not regulated

Extinguishing Media: Foam, carbon dioxide, dry chemical, Class D Dry chemical extinguishing agent or other suitable extinguishing material such as dry sand. A fine water spray can be used to cool closed containers. Do not use Class A, B, or C extinguishers or halogenated agents.

Unusual Fire and Explosion Hazards: Water is not a suitable extinguishing medium. Fire will produce dense black smoke which may contain carbon monoxide or other hazardous combustion products. Closed containers may explode if exposed to excessive heat.

Protection Requirements: Wear self-contained breathing apparatus.

SECTION 5 -- HEALTH HAZARD DATA

Effects of Overexposure:

Eye contact: May cause irritation.

Skin contact: May cause irritation. May cause defatting of the skin or dermatitis on prolonged contact.

Inhalation: Prolonged exposure to high concentrations of vapor will cause irritation of the respiratory tract.

Ingestion: May cause aspiration of small amounts of material into lungs resulting in possible irritation of gastrointestinal tract or central nervous system damage.

Primary Routes of Entry: Inhalation of chemical vapors. 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.

Inhalation: Remove affected person to fresh air. Restore normal breathing.

Ingestion: Do not induce vomiting. Call physician.

SECTION 6 -- REACTIVITY DATA

Product Stability: Unstable.

Conditions to avoid: Avoid temperatures above 60°C, direct sunlight, strong UV light, and heat during storage.

Decomposition Products: Incomplete combustion may result in the formation of carbon dioxide and carbon monoxide. It will also cause fumes and acrid smoke.

Hazardous exothermic polymerization can occur when product is heated or exposed to direct sunlight.

SECTION 7 -- SPILL OR LEAK PROCEDURES

Procedure When Material is Spilled or Released: Wear suitable protective equipment. Scoop up material and place in suitable container. Clean residue with mineral spirits or other similar solvent. Absorb excess solvent with sand or other absorbent material.

Waste Disposal Method: Landfill or incinerate contaminated material in a facility that can accept a metal containing organic mixture in accordance with local, state, and federal regulations.

SECTION 8 -- SPECIAL PROTECTION INFORMATION

Ventilation: Use in well-ventilated areas.

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: Wear protective clothing to prevent skin contact. Use a chemical apron when handling large quantities.

SECTION 9 -- SPECIAL PRECAUTIONS

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

Precautions: Do not ingest. Avoid prolonged contact with skin. Avoid contact with eyes.

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.

Appendix 1

Per cent by weight of ingredients

<u>Product code</u>	<u>% copper</u>	<u>% zinc</u>	<u>% oligomer</u>	<u>% monomer</u>
8228	21	9	25	40
8230	27	2	25	40
8231	21	9	30	36
8232	22	8	30	36
8233	24	6	28	32
8234	24	6	30	36
8235	25	5	30	36
8236	27	3	30	36