



**Unipak Ready Mixed Silver**  
**Material Safety Data Sheet**  
Date 11/30/2006

H	M	I	S
Hazard Ratings			
Minimal 0	Serious 3	Health 1	
Slight 1	Severe 4	Flammability 1	
Moderate 2		Reactivity 0	

Material Safety and Data Sheet prepared by W. DeBoer

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

DISTRIBUTOR: Van Son Holland Ink Corporation of America 185 Oval Drive Islandia, NY 11749  
 Emergency Telephone: 631-715-7000  
 Product Class: Offset Ink Metallic  
 Trade Name: Unipak Ready Mixed Silver

MANUFACTURER:  
 W olstenholme Bronze Powders, Ltd  
 P O Box 14, Lancashire BB3 ORX England  
 Chemtrec 24 Hour Emergency No-800-424-9300  
 Manufacturer s Code ID: VS877

**2. INGREDIENT COMPOSITION INFORMATION**

Ingredient	CAS No.	W T %	OSHA (PEL)	ACGIH (TLV)	Carcinogen
Metallic Varnish Proprietary		40-50	N/A	N/A	No
Heavy Petroleum Aliphatic Naphtha	64742-96-7	15-30	5mg/M3	N/A	No
Light Petroleum Distillate	64741-91-9	15-30	5mg/M3	N/A	No
Aluminum	7429-90-5	20-26	N/A	1.0mg/M3 (/as dust)	No

**3. HAZARDS IDENTIFICATION**

OSHA Hazard Communication 29 CFR 1910.1200 .....None

**4. FIRST AID MEASURES**

**EFFECTS OF OVEREXPOSURE**

Eye Contact ..... Direct contact may cause irritation.  
 Skin Contact ..... Prolonged contact or repeated exposure may cause minor irritation.  
 Inhalation ..... Excess inhalation of mist or vapor may cause dizziness, nausea or irritation of nasal and respiratory passages.  
 Ingestion ..... May cause gastrointestinal irritation.  
 Medical Conditions aggravated by normal exposure: Persons with dermatitis should avoid skin contact.  
 Target Organs: ..... Skin, eyes, lungs.  
 Primary Routes of entry ..... Eyes, inhalation, dermal.

**EMERGENCY FIRST AID PROCEDURES**

Eye Contact ..... Flush with large amounts of water until irritation subsides. If irritation persists, contact a physician.  
 Skin Contact : ..... Wash with soap and water. Remove contaminated clothing and wash thoroughly before reusing.  
 Ingestion ..... If swallowed, do not induce vomiting. Call a physician.  
 Inhalation ..... Remove individual to fresh air.

**5. FIRE FIGHTING MEASURES**

Flash Point ..... Above 250 F Method used: closed cup  
 Explosion Limits ..... LEL: N/A UEL: N/A  
 Extinguishing Media ..... Foam, carbon dioxide, dry chemical. Water spray may be applied to cool exposed closed containers.  
 Unusual Fire and Explosion Hazards ..... Dense smoke may be generated when burning. Carbon Monoxide and Carbon Dioxide generated as combustion products  
 Special Fire Fighting Procedures ..... Self-contained breathing apparatus recommended.

**6. ACCIDENTAL RELEASE MEASURES**

Procedure when material spilled or released: Wipe up. Dispose of wipes in approved waste containers. If petroleum hydrocarbon is used, provide sufficient ventilation.  
 Waste Disposal Method: Dispose of in accordance with Federal, State and Local regulations.

**7. HANDLING AND STORAGE**

Handling: Avoid storage above 90 F. Keep containers closed when not in use.  
 Other Precautions: None required.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Ventilation: Use sufficient ventilation. Eye Protection: Goggles recommended.  
 Protective Gloves: Gloves recommended. Other Protection: None required.  
 Respiratory Protection: None required.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Volatile Organic Compounds: (VOCs)	2.60-3.30 lbs./gallon	320-400 Grams/liter Method 24
Boiling Range °F:	> 492-592	Freezing Point °F: N/A
Vapor Density vs. Air:	Heavier	Vapor Pressure: less than 0.04psi
Density:	10.1 lbs./ gallon ASTM D1475	Specific Gravity: 1.20
Type of Odor:	Mild Petroleum	Odor Threshold: High
Appearance:	Metallic paste.	pH: N/A
Evaporation Rate vs. Butyl Acetate:	Slower	Coefficient of Water/oil Distribution: N/A
Percentage Volatile By Weight:	32-40% ASTM D2369	

**10. STABILITY AND REACTIVITY**

Product Stability: Stable  
 Conditions to Avoid: Strong oxidizing agents Avoid storage above 90 F.  
 Keep containers closed when not in use.  
 Hazardous Decomposition Products: None.  
 Hazardous Polymerization: Will not occur.

**11. TOXICOLOGICAL INFORMATION**

Carcinogen ..... Contains no materials that are considered carcinogenic by OSHA or the National Toxicology Program (NTP), or the International Agency for Research on Cancer (IARC).  
 Mutagen ..... No  
 Teratogen ..... No  
 Reproductive Toxicity ..... No

**12. ECOLOGICAL INFORMATION**

This product has not been evaluated, but there is no evidence to suggest it will cause any significant environmental problem.

**13. DISPOSAL CONSIDERATIONS**

Material Released or spilled: This product is not regulated under the Federal Resource Conservation and Recovery Act (RCRA) as a hazardous waste. State and/or local regulations may apply. Spill should be contained, absorbed with suitable absorbent material and placed in suitable containers for disposal in a licensed facility in accordance with Local, State and Federal laws. Do not discharge into waterways or sewer systems.

**14. TRANSPORT INFORMATION-** DOT (HM 181) : Not required Shipping Labels: None required

**15. REGULATORY INFORMATION**

TSCA (Toxic Substance Control Act) ..... All ingredients listed in TSCA Inventory  
 CERCLA Superfund 40CFR 117.302 ..... Contains no reportable materials  
 SARA Title III ..... Product# VS282 Aluminum23%/ Product# 78877 Aluminum26%.  
 FDA ..... This printing ink is not a food additive and would not have approval for direct or indirect contact with food.  
 EINECS (European Economic Community) ..... All ingredients listed.  
 California Proposition 65 ..... None  
 CONEG Legislation ..... Meets all current State and Heavy Metal limitations.  
 Canadian WHMIS ..... Controlled product

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