



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

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: Van Son Holland Ink Corporation of America
 185 Oval Drive Islandia, NY 11749
 Emergency Telephone: 631-715-7000
 Product Class: Offset Color Ink Oxidizing
 Trade Name: Tough Tex Colors

MANUFACTURER:
 Van Son Royal Dutch Printing Ink Factories,
 Hilversum, Holland
 Chemtrec 24 Hour Emergency No-800-424-9300
 Manufacturer s Code ID: VS 44100-VS44111

2. INGREDIENT COMPOSITION INFORMATION

Ingredient	CAS No.	W T %	OSHA (PEL)	ACGIH (TLV)	Carcinogen
Organic Pigments	See Table 2	2-10	3.5mg/M3	3.5mg/M3	No
Synthetic Resins	Various	30-50	N/A	N/A	No
Severe Acid Treated or Solvent Refined Middle Distillate	64742-13-8				
	64741-91-9	15-30	5mg/M3	N/A	No
Polymeric Wax Blend	N/A	5-10	N/A	N/A	No
Cobalt Drier	61789-52-4	0-1	0.1mg/M3	N/A	IARC
Manganese Drier	8030-70-4	0-1	5mg/M3	N/A	No

3. HAZARDS IDENTIFICATION

OSHA Hazard Communication 29 CFR 1910.1200Manganese Compound

4. FIRST AID MEASURES

EFFECTS OF OVEREXPOSURE

Eye ContactDirect contact may cause irritation.
 Skin ContactProlonged contact or repeated exposure may cause minor irritation.
 InhalationExcess inhalation of mist or vapor may cause dizziness, nausea or irritation of nasal and respiratory passages.
 IngestionMay cause gastrointestinal irritation.
 Medical Conditions aggravated by normal exposure: Persons with dermatitis should avoid skin contact.
 Target Organs:Skin, eyes, lungs.
 Primary Routes of entryEyes, inhalation, dermal.

EMERGENCY FIRST AID PROCEDURES

Eye ContactFlush with large amounts of water until irritation subsides. If irritation persists, contact a physician.
 Skin Contact :W ash with soap and water. Remove contaminated clothing and wash thoroughly before reusing.
 IngestionIf swallowed, do not induce vomiting. Call a physician.

5. FIRE FIGHTING MEASURES

Flash PointAbove 250 F Method used: closed cup
 Explosion LimitsLEL: N/A UEL: N/A
 Extinguishing MediaFoam, carbon dioxide, dry chemical. Water spray may be applied to cool exposed closed containers.
 Unusual Fire and Explosion HazardsDense smoke may be generated when burning. Carbon Monoxide and Carbon Dioxide generated as combustion products

6. ACCIDENTAL RELEASE MEASURES

Procedure when material spilled or released:W ipe 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)	1.10-1.30 lbs./gallon	135-160 Grams/liter Method 24
Boiling Range °F:	> 500	Freezing Point °F: N/A
Vapor Density vs. Air:	Heavier	Vapor Pressure: less than 0.04psi
Density:	8.7-9.5 lbs./ gallon ASTM D1475	Specific Gravity: 1.05-1.12
Type of Odor:	Oily	Odor Threshold: High
Appearance:	Color viscous paste.	pH: N/A
Evaporation Rate vs. Butyl Acetate:	Slower	Coefficient of Water/oil Distribution: N/A
Percentage Volatile By Weight:	15-18% 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). The International Agency for Research on Cancer (IARC) lists cobalt compounds and carbon black as possible human carcinogens (Class 2B.)
 Mutagen No
 Teratogen No

12. ECOLOGICAL INFORMATION

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

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

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 1% Cobalt Compound and 1% Manganese Compound.
 Barium Compounds present. Request Table 1.
 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 Pigment Red 53.1. Request Table 1.
 CONEG Legislation Meets all current State and Heavy Metal limitations.
 Canadian WHMIS Non controlled product

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