



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

Material Safety and Data Sheet prepared by Gus Lindquist

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**DISTRIBUTOR:** Van Son Holland Ink Corporation of America  
 92 Union Street, Mineola, NY 11501  
**Emergency Telephone:** 516-294-8811  
**Product Class:** Black Emulsion Ink  
**Trade Name:** DIGI-INK™ Black

**PARENT COMPANY:**  
 Van Son Royal Dutch Printing Ink Factories  
 Hilversum, Holland

**Chemtrec 24 Hour Emergency No-800-424-9300**  
 VL15RS10/2  
 VL13RS10/2  
 VL13RC10/5

**2. INGREDIENT COMPOSITION INFORMATION**

Ingredient	CAS No.	WT%	OSHA (PEL)	ACGIH (TLV)	Carcinogen
Mineral Oil	8012-95-1*	18%	N/A	N/A	No
Gas Oils Hydrodesulfurized	64742-79-6	3.4%	N/A	N/A	No
Carbon Black	1333-86-4	4.3%	3.5mg/M3	3.5mg/M3	See 11
Resin	N/A	3.0%	N/A	N/A	No
Surface Active Agent	N/A		N/A	N/A	No
Water	7732-18-5	67%	N/A	N/A	No

**3. HAZARDS IDENTIFICATION**

OSHA Hazard Communication 29 CFR 1910.1200.....Carbon Black (dry pigment)

**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 360°F Method used: closed cup  
**Explosion Limits-** LEL: N/A UEL: N/A  
**Extinguishing Media-** Foam, dry chemical. Water spray may be applied to cool exposed closed containers.  
**Unusual Fire and Explosion Hazards-** None  
**Special Fire Fighting Procedures-** None

**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 out of direct sunlight.  
 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) 0.8 lbs./gallon	10 Grams/liter Method 24
Boiling Range °F: > 212°	Freezing Point °F: 15°F
Vapor Density vs. Air: Heavier	Vapor Pressure: N/A
Density: 7.8 lbs./gallon ASTM D1475	Specific Gravity: 0.95-1.0
Type of Odor: Oily	Odor Threshold: N/A
Appearance: Black liquid	pH: N/A
Evaporation Rate vs. Butyl Acetate: Slower	Coefficient of Water/oil Distribution: N/A
Percentage Volatile By Weight: 60-70% 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.....No	<i>OSHA in December 1996 ruled that a printing ink mixture containing carbon black as evaluated by the International Agency for Research on Cancer (IARC) is "not classifiable as to their carcinogenicity to humans" (Group 3). Carbon Black is not present in such a form so as to present an exposure problem for employees. No materials present are considered carcinogenic by National Toxicology Program (NTP).</i>
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.....	Contains no reportable materials
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.....	Contains no reportable materials
CONEG Legislation.....	Meets all current State and Heavy Metal limitations.
Canadian WHMIS .....	Non-controlled product

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