



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

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

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 StabilityStable

Conditions to AvoidStrong oxidizing agents. Avoid storage above 90°F.
Keep containers closed when not in use.

Hazardous Decomposition Products ...None.

Hazardous PolymerizationWill not occur.

11. TOXICOLOGICAL INFORMATION

CarcinogenNo	<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>
MutagenNo	
TeratogenNo	
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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