



HOLLAND INK CORPORATION OF AMERICA
185 Oval Drive Islandia, NY 11749

	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. H. De Boer

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: Color Emulsion Ink
Trade Name: DIGI-INK Colors

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

Chemtrec 24 Hour Emergency No-800-424-9300
Manufacturers Code ID: VL 0005RS

2. INGREDIENT COMPOSITION INFORMATION

Ingredient	CAS No.	WT %	OSHA (PEL)	ACGIH (TLV)	Carcinogen
Mineral Oil	8012-95-1*	18 %	N/A	N/A	No
Hydrotreated Middle Distillate	64742-46-7		3.5mg/M3	3.5mg/M3	No
Solvent Naptha Light Aromatic	64742-95-6		50ppm	N/A	No
Resin	N/A	3.0%	N/A	N/A	No
Surface Active Agent	N/A		N/A	N/A	No
Water	7732-18-5	60-70%	N/A	N/A	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 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:	Color 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. Keep out of direct sunlight.
Hazardous Decomposition Products: None.
Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Carcinogen No
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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