



101965 (M)

Material Safety Data Sheet
Black Diamond
 MSDS Sheet # 1-4
 Date: 9-28-1995

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 G. Lindquist, Consultant

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: Offset Ink Non-oxidizing
Trade Name: Black Diamond

MANUFACTURER:

Van Son Royal Dutch Printing Ink Factories,
 Hilversum, Holland
Chemtrec 24 Hour Emergency No-800-424-9300

Manufacturer's Code ID:
 VS154

2. INGREDIENT COMPOSITION INFORMATION

Ingredient	CAS No.	WT%	OSHA (PEL)	ACGIH (TLV)	Carcinogen
Carbon Black	1333-86-4	15-25	3.5 mg/M3	3.5 mg/M3	No
Organic Pigments	Various	2-10	3.5 mg/M3	3.5 mg/M3	No
Synthetic Resins	Various	30-50	N/A	N/A	No
Naphthenic Severe Hydrotreated					
Middle Distillate	64742-53-6	15-20	5mg/M3	N/A	No
Vegetable Oil Includes		20-30	N/A		
Linseed Oil	8001-26-1				
Soya Oil	8001-22-7				
Canolin Oil	8002-13-9				
Polymeric Wax Blend	N/A	2-5	N/A	N/A	No

3. HAZARDS IDENTIFICATION

OSHA Hazard Communication 29 CFR 1910.1200 Carbon Black

4. FIRST AID MEASURES

EFFECTS OF OVEREXPOSURE

Eye Contact Direct contact may cause irritation.
Skin Contact Prolonged contact or repeated exposure may cause 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.
 • **Skin Contact:** If irritation persists, contact a physician.
 • **Ingestion** Wash with soap and water. Remove contaminated clothing and wash thoroughly before reusing.
 • **Inhalation** If swallowed, do not induce vomiting. Call a physician.

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.
 Protective Gloves: Gloves recommended.
 Respiratory Protection: None required.
 Eye Protection: Goggles recommended.
 Other Protection: None recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Volatile Organic Compounds: (VOCs) 0.40 lbs./gallon	45 Grams/liter Method 24
Boiling Range °F: > 590	Freezing Point °F: N/A
Vapor Density vs. Air: Heavier	Vapor Pressure: Less than 0.04psi
Density: 9.0 lbs./ gallon ASTM D1475	
Specific Gravity: 1.07	
Type of Odor: Oily	Odor Threshold: High
Appearance: Black Viscous Paste	pH: N/A
Evaporation Rate vs. Butyl Acetate: Slower	
Coefficient of Water/oil Distribution: N/A	
Percentage Volatile By Weight: 5% 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: Carbon Monoxide, Carbon Dioxide and Smoke.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Carcinogen..... Contains no materials that are considered carcinogenic by National Toxicology Program (NTP), International Agency for Research on Cancer (IARC) or OSHA.
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 117.302Contains no reportable materials
SARA Title IIINone
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 65None
CONEG LegislationMeets all current State and Heavy Metal limitations.
Canadian WHMISNon controlled product
Vegetable Ink Printing Act of 1994.....Meets the 20% minimum requirement of vegetable oil in sheet fed inks

This information is furnished without warranty, express or implied, except that it is accurate to the best of the knowledge of Van Son Holland Ink Corporation of America. The data on this sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The hazards covered are believed to be those most likely to occur in the reasonable or ordinary use of these materials. Van Son Holland Ink Corporation of America assumes no legal responsibility for use or reliance on this data.