



Material Safety Data Sheet -Tough Tex LR Blacks
Date 11/30/2006

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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 Black Ink Oxidizing
Trade Name: Tough Tex LR Black

MANUFACTURER:
Van Son Royal Dutch Printing Ink Factories,
Hilversum, Holland
Chemtrec 24 Hour Emergency No-800-424-9300
Manufacturer s Code ID: 33110, VS3313

2. INGREDIENT COMPOSITION INFORMATION

Ingredient	CAS No.	W T %	OSHA (PEL)	ACGIH (TLV)	Carcinogen
Carbon Black	1333-86-4	15-30	3.5mg/M3	3.5mg/M3	No
Organic Pigments	Various	5-10	3.5mg/M3	3.5mg/M3	No
Synthetic Resins	Various	20-40	N/A	N/A	No
Vegetable Oils	8001-Various	20-40	N/A	N/A	No
Cobalt Drier	61789-52-4	1-3	0.1mg/M3	0.1mg/M3	IARC
Manganese Drier	8030-70-4	1-3	5mg/M3	N/A	No

3. HAZARDS IDENTIFICATION

OSHA Hazard Communication 29 CFR 1910.1200Carbon Black, Manganese 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.
InhalationRemove individual to fresh air.

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
Special Fire Fighting ProceduresSelf-contained breathing apparatus recommended.

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.
W aste 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) 1.50 lbs./gallon Boiling Range °F: > 500 Vapor Density vs. Air: Heavier Density: 9.00 lbs./gallon ASTM D1475 Type of Odor: Oily Appearance: Black viscous paste. Evaporation Rate vs. Butyl Acetate: Slower Percentage Volatile By Weight: 16.4% ASTM D2369	173 Grams/liter Method 24 Freezing Point °F: N/A Vapor Pressure: less than 0.04psi Specific Gravity: 1.06 Odor Threshold: High pH: N/A Coefficient of Water/oil Distribution: N/A
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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 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
 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 1% Cobalt Compound and 1% Manganese Compound.
 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 None
 CONEG Legislation Meets all current State and Heavy Metal limitations.
 Canadian WHMIS Non controlled product

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