



Material Safety Data Sheet - Quickson Pantone Colors

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 Ink Oxidizing

Trade Name: Quickson Plus Colors

Chemtrec 24 Hour Emergency No-800-424-9300

Manufacturer s Code ID: VS91100-91115, VS91300-91315

VS931-935

2. INGREDIENT COMPOSITION INFORMATION

| Ingredient | CAS No. | W T % | OSHA (PEL) | ACGIH (TLV) | Carcinogen |
|---|--------------|-------|------------|-------------|------------|
| Organic Pigments | See Table 2 | 15-30 | 3.5mg/M3 | 3.5mg/M3 | No |
| Synthetic Resins | Various | 20-40 | N/A | N/A | No |
| Vegetable Oils | 8001 Various | 23-35 | N/A | N/A | No |
| Severe Hydrotreated Petroleum Middle Distillate | 64742-46-7 | 10-15 | 5mg/M3 | N/A | No |
| Polymeric Wax Blend | N/A | 5-10 | 15mg/M3 | N/A | No |
| Manganese Drier | 8030-70-4 | 0-1 | 5mg/M3 | N/A | No |
| Cobalt Tallate | 61789-52-4 | 0-1 | 0.1mg/M3 | N/A | IARC |

3. HAZARDS IDENTIFICATION

OSHA Hazard Communication 29 CFR 1910 Cobalt Compounds, Manganese Compounds, Treated Middle Distillate

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 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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--|-----------------------|--|
| Volatile Organic Compounds: (VOCs) | 1.10-1.30 lbs./gallon | 90-150 Grams/liter Method 24 |
| Boiling Range °F: > 500 | | Freezing Point °F: N/A |
| Vapor Density vs. Air: Heavier | | Vapor Pressure: less than 0.04psi |
| Density: 8.40-8.80 lbs./gallon ASTM D1475 | | Specific Gravity: 1.00-1.03 |
| Type of Odor: Oily | | Odor Threshold: N/A |
| Appearance: Colored viscous paste. | | pH: N/A |
| Evaporation Rate vs. Butyl Acetate: Slower | | Coefficient of Water/oil Distribution: N/A |
| Percentage Volatile By Weight: 10-15% 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 Contains no materials that are considered carcinogenic by OSHA or the National Toxicology Program (NTP). The International Agency for Research on Cancer (IARC) lists cobalt compounds 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.
 Barium Compounds present. Request Table 1.
 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 Pigment Red 53.1. Request Table 1.
 CONEG Legislation Meets all current State and Heavy Metal limitations.
 Canadian WHMIS Controlled product
 Vegetable Ink Printing Act of 1994 Meets the 20% minimum requirement of vegetable oil in sheet fed inks.

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