



# Material Safety Data Sheet - Sonacure Colors UV Paper Series

Date May 31, 2007

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

## 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: Offset Printing Inks UV Curing

Trade Name: Sonacure UV Paper Series

Chemtrec 24 Hour Emergency No-800-424-9300

Manufacturer s Code ID: VS5730, VS5731, VS5732

## 2. INGREDIENT COMPOSITION INFORMATION

| Ingredient           | CAS No.     | W T % | OSHA (PEL) | ACGIH (TLV) | Carcinogen |
|----------------------|-------------|-------|------------|-------------|------------|
| Organic Pigments     | See Table 2 | 10-20 | 3.5mg/M3   | 3.5mg/M3    | No         |
| Acrylates Xi, R36/38 | 2156-96-9   | 50-90 | N/A        | N/A         | No         |
|                      |             |       |            |             |            |
|                      |             |       |            |             |            |
|                      |             |       |            |             |            |

## 3. HAZARDS IDENTIFICATION

OSHA Hazard Communication 29 CFR 1910 . . . . . irritant

## 4. FIRST AID MEASURES

Eye Contact ..... Hold eyes open and flush for at least 15 minutes with large amounts of water. Remove contact lenses. Consult Physician if irritation occurs.

Skin Contact ..... Remove contaminated clothing and shoes. Wash with soap or mild detergent and large amounts of water. Do not use solvents or thinners

Inhalation ..... Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Ingestion ..... Do not induce vomiting. Keep the person quiet. Consult physician immediately

General ..... In all cases of doubt, or when symptoms persist, seek medical attention.

## 5. FIRE FIGHTING MEASURES

Extinguishing Media ..... Alcohol resistant foam, carbon dioxide, powder or water spray under high-pressure. Cool containers in fire area.

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 ..... In case of fire dark smoke will occur. Use self-contained breathing apparatus and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Avoid breathing vapors. Refer to protective measures listed in sections 7 and 8. Contain and collect spillage with non-combustible absorbant materials, e.g. sand, earth, vermiculite and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or water courses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

## 7. HANDLING

Prevent the creation of flammable vapors in the air. Avoid skin and eye contact. Avoid inhalation of the vapor. Store in fireproof containers. Smoking, food and drinks should be forbidden in application area. Comply with the health and safety at work laws. For personal protection see section 8.

illated place away from sources of heat and direct sunlight. Keep well away from oxidizing agents and strongly acid/alkaline materials. No Smoking. Prevent unauthorized access. Containers which are opened must be resealed carefully and kept upright to prevent leakage.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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|                         |  |                   |                      |
|-------------------------|--|-------------------|----------------------|
| Ventilation:            | Use sufficient ventilation.                | Eye Protection:   | Goggles recommended. |
| Protective Gloves:      | Butyl Rubber Gloves recommended.           | Other Protection: | None required.       |
| Respiratory Protection: | None required.                             |                   |                      |
| Skin Protection:        | Clothing suitable to prevent skin contact. |                   |                      |

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical State: Viscous  
Flash Point: > 100 C  
Density: circa 1.0 (exceptions white and bronze)  
Vapor Density: < 10 Pa (20 C)  
Viscosity: 1 - 100 Pa s  
Lower explosion limit: 0.46 Vol %  
Solubility in water: not or barely soluble

## 10. STABILITY AND REACTIVITY

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Stable under recommended storage and handling conditions (see section 7). In case of fire thermal decomposition may produce hazardous products such as carbon monoxide and -dioxide, smoke, oxide of nitrogen. Keep well away from oxidizing agents and strongly alkaline/acid materials in order to avoid exothermic reactions.

## 11. TOXICOLOGICAL INFORMATION

When used and handled properly for years no adverse effects were observed. Repeated or prolonged skin contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis. Liquid splashed in the eyes may cause irritation and reversible damage.

Toxicological properties are not entirely determined by now.  
LD50 oral rat > 5000 mg/kg  
Acrylate components of the preparation have irritating properties.

## 12. ECOLOGICAL INFORMATION

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This product should not be allowed to enter drains or water courses or soil.

## 13. DISPOSAL CONSIDERATIONS

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Emptied containers are to be lead into scrap recycling or reconditioning respectively. Not orderly emptied cans and ink remnants are special waste.

## 14. TRANSPORT INFORMATION- Not classified according to transport regulations (like ADR/RID etc.)

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## 15. REGULATORY INFORMATION

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|                              |   |
|------------------------------|---|
| Warning Symbol .....         | St Andrews cross, Xi, irritant  |
| R-Phrases .....              | R36/38: irritating skin and eyes  |
| S-Phrases .....              | S24/25/26: Avoid contact with eyes, rinse immediately with water and seek for medical advise<br>S28: In case of contact with skin, wash immediately with water and soap. Contains acrylates |
| VbF-Class .....              | Not Classified  |
| Ground Water Pollution ..... | WGK 1 slightly water endangering(classification according to VwVwS Annex 2 (04/1996)  |
| Limit per workstation .....  | Not Classified  |

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## 16. OTHER INFORMATION

The information of the MSDS is based on the present state of knowlege and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instructions. The information in this MSDS is meant as a description of the safety requirements of our product; it is not to be considered as a guarantee of the product's properties.