



MATERIAL SAFETY DATA SHEET

Holland Ink Corporation of America
185 Oval Drive, Islandia, New York 11749

Table with Hazard Ratings (H, M, I, S) and Health, Flammability, Reactivity scores.

1. Identification of the Product and the Company

Product Class : Offset Ink Oxidizing Color
Trade Name : Sonadry ANK

Manufacturer:

Royal Dutch Printing Ink Factories Van Son BV
Hilversum, The Netherlands

Emergency Telephone: 516-294-8811
Chemtrec 24 Hour Emergency No: 800-424-9300

2. Composition / Information on Ingredients

Table with columns: Substance, CAS-NR., Weight%, OSHA (PEL), ACGIH (TLV), Carcinogen. Lists ingredients like Organic Pigment, Synthetic Resins, etc.

3. Hazard Identification

OSHA Hazard Communication 29 CFR 1910.1200 : Manganese Compound

4. First Aid Measures

Effects on 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
Target Organs : Skin, Eyes, Lungs
Primary Routes of Entry : Eyes, Inhalation, Dermal
Medical conditions aggravated by normal exposure : Persons with dermatitis should avoid skin contact

Emergency First Aid Procedures

- Eye Contact : Flush with large amount 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 Closed Cup
Explosion Limits : LEL : N/A %
UEL : N/A %
Extinguishing Media : Dry and foam agents, Carbon dioxide (CO2), water mist.
Unusual Fire and Explosion Hazards : Dense smoke may be generated when burning. Carbon Monoxide en Carbon Dioxide generated as combustion products
Special Fire Fighting Procedures : Self-contained breathing apparatus recommended

6. Accidental Release Measures

Spill Control : Wipe up or scrape up and collect the material into appropriate, labelled containers.
Waste Disposal : Do not allow material to enter drains or water courses.
Dispose in accordance with Federal, State and Local regulations

7. Handling and Storage

Handling : Keep containers closed when not in use
Storage : Avoid storage below 32 °F and above 90 °F
Other Precautions : None required

8. Exposure Controls / Personal Protection

Ventilation : Use sufficient ventilation
Hand Protection : Gloves recommended
Respiratory Protection : None required
Eyes Protection : Goggles recommended
Body Protection : Wear protective clothing.
Hygiene Measures : Maintain general body hygiene.

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**9. Physical and Chemical Properties**

<b>Appearance</b>	: Viscous Paste	<b>pH-Value</b>	: N/A
<b>Colour</b>	: Various	<b>Freezing Point/Range</b>	: N/A (°F)
<b>Odor</b>	: Oily	<b>Boiling Point/Range</b>	: >500 (°F)
<b>Odor Threshold</b>	: N/A	<b>Specific Gravity</b>	: 1.00 - 1.05 (68 °F)
<b><sup>1</sup> Volatile Organic Compounds - by Calculation</b>	: 12 - 18%	<b>Autoignition Temperature</b>	: N/A (°F)
<b>Evaporation Rate vs. Butyl Acetate</b>	: Slower	<b>Vapour Pressure</b>	: < 0.04 psi (68 °F)
<b>Vapor Density vs. Air</b>	: Heavier	<b>Solubility in Water</b>	: N/A (68 °F)

<sup>1</sup> According to EPA Method 24A and consequently ASTM 2369 Water and other non-VOC Organic compound could also be counted as a Volatile Organic Compound. Therefore a calculation method is used in respect to European Community Directive 99/13/EC.

**10. Stability and Reactivity**

<b>Product Stability</b>	: Stable
<b>Conditions to avoid</b>	: Avoid storage below 32°F and above 90 °F Keep containers closed when not in use
<b>Hazardous Decomposition Products</b>	: carbon monoxide and carbon dioxide
<b>Hazardous Polymerization</b>	: Will not occur

**11. Toxicological Information**

<b>Carcinogen</b>	<b>OSHA</b> : Contains no materials that are considered carcinogenic
	<b>NTP</b> : Contains no materials that are considered carcinogenic
	<b>IARC</b> : Cobalt compound ( Class 2B)
<b>Mutagen</b>	: No
<b>Teratogen</b>	: No
<b>Reproductive Toxicity</b>	: No

**12. Ecological Information**

This product has not been evaluated by us, 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**

<b>DOT ( HM 181)</b>	: Not required
<b>Shipping Labels</b>	: None required

**15. Regulatory Information**

<b>TSCA (Toxic Substance Control Act)</b>	: All ingredients are listed in TSCA Inventory
<b>CERCLA Superfund 40CFR 117.302</b>	: Contains no reportable materials
<b>SARA Title III</b>	: 1,5% Cobalt compound and 0,8% Manganese Compound. Barium compounds present. Request table 1
<b>Right-to-Know Act</b>	: Barium-, Cobalt-, Manganese Compounds are reported
<b>FDA</b>	: This product is not a food additive and would not have approval for direct or indirect contact with food
<b>EINECS (European Community)</b>	: All ingredients are listed
<b>California Proposition 65</b>	: Pigment 53.1 Request Table 1.
<b>Coneg</b>	: Meet all current State and Heavy Metal limitations
<b>Canadian WHIMS</b>	: Controlled Product

**16. Other Information**

This information is furnished without warranty, expressed 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 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

NA=Not Applicable, NC=Not Classified, ND=Not Determined.