



GANS INK
& SUPPLY CO.

Safety Data Sheet

In compliance with Regulation (EC) No 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Origination Date: 3-13-2006

Revision date: 3-27-2014

SECTION 1: Identification of the Substance/ Mixture and of the Company undertaking

1.1 Product Identifier

Product Name: OS LO-VOC NU-CENTURA 4 Color Process

GANS Item ID: A 131157- 60, I011800 – 03, I011810, I011813, O014752 - O014755

SDS Number: 128.5

Product Type: Lithographic Printing Ink

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Product Use: Lithographic Ink for Commercial Printing Presses

1.2.2 Uses advised against: None known

1.3 Details of the supplier of the safety data sheet

Manufacturer: Gans Ink and Supply Co, Inc.

Address: 1441 Boyd Street
Los Angeles, CA 90033

Contact Person: Marco Ramos

Telephone: 323- 264-2200 / 1-800 421-6167

Fax: 323-264 2916

Email: MSDS @gansink.com

1.4 Emergency telephone number:

Available only during business hours.

(323) 264-2200 Monday- Friday 7:00 A.M. – 9:00 P.M.

Available 24 Hours: Los Angeles County Fire Department / HazMat. Department

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.2: This material is Not Hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification under CLP: This product is not classified according to Globally Harmonized System

Skin Category 1 H317

Skin corrosion/irritation H 315 Category 2

Eye irritation and skin irritation R36/38

Specific target organ toxicity: Not determined

The most important adverse environmental effects: No Data available



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Biodegradability (Product): No Data available
Bioaccumulation (Product) : No Data available
Toxicity to fish (Product): No Data available

2.2 Label elements

Hazard Pictograms:



Signal Word (S):

X Irritant

Hazard Statements:

Irritating to eyes and skin R36/ 38
Causes skin irritation Category 2 H315
May cause an allergic skin reaction H317

Precautionary Statement-

P261: Avoid breathing dust/vapors/mist/ fumes. May cause irritation of the upper respiratory system..
P 262: Do not get in eyes or skin.
P264: Wash hands thoroughly after handling.

2.3 Other hazards

Keep away from oxidizing agents and strongly acid or alkaline materials.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

CAS# / EC#	REACH No.	% by weight	Substance Name	Classification
Proprietary		12 - 25.0	Aliphatic Hydrocarbon Solvents	H317, H315, R36/38

*Exempt from OSHA special labeling requirements as outlined in 1910.1200 (d) (IV) (i.e. contains less than 0.1 % known carcinogen).

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Inhalation: P304, P340 Remove victim from exposure, to fresh air and keep at rest in a position for breathing

Skin contact: P302, 350, Remove contaminated clothing. Wash contaminated area thoroughly with soap and water for at least 20 minutes or until material is removed.

Eye contact: P305, P351, P338; immediately flush eyes with large amounts of water, remove contact lenses if present and easy to do and continue flushing for 20 minutes or until material is removed.

Ingestion: P301, P331, P330; Do not induce vomiting. Gently wipe or rinse mouth with water.

4.1.1

Following Inhalation: P342; if breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available.

Following skin contact: P332, P313; Get medical attention if irritation develops and persists.

Following eye contact: P337, P313; if irritation persists, seek medical attention.

Following Ingestion: P301, P310; notify poison control center or hospital. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed



Over – exposure signs / symptoms

Ingestion: No data available.

Inhalation: No data available

Skin sensitization: No data available.

4.3 Indication of any immediate medical attention and special treatment needed.

Notes to physician: No data available.

SECTION 5: FIRE – FIGHTING MEASURES

5.1 Extinguishing Media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture:

In the event of fire, the following may be formed:

Dense smoke may be generated while burning; carbon dioxide, carbon monoxide, sulfur and other oxides may be generated as products of combustion.

5.3 Advice for fire-fighters:

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Water may be used to cool containers exposed to heat or flame.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Move leaking containers to ventilated area.

Wear chemical resistant gloves, safety glasses or goggles and protective clothing.

Remove all ignition sources, heat, open flame and sparks.

6.2 Environmental precautions:

Prevent spilled material from entering the ground, water and / or air by using appropriate containment methods.

Dispose of according to local, state and Federal regulations. Do NOT flush to sewer, drains or waterways.

Advise water authority if spillage has entered into water course or drainage system

6.3 Methods for containment and cleaning up:

6.3.1 Control large spills. Dike large spills. Move containers from spill area. Ventilate area. Keep away from all ignition sources, open flame and heat. Contain and collect spillage with non-combustible absorbent material such as vermiculite, sand etc. and place in a suitable container for disposal. Clean up with a suitable solvent.

Small spills: Stop leak and ventilate area. Absorb spills with non-combustible absorbent material such as vermiculite, sand etc. and place in a suitable container for disposal. Dispose of according to local, state and Federal regulations.

6.4 Reference to other sections: Refer to section 5.2 of the SDS.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

7.1.1 Protective measures: Ensure good ventilation to maintain concentrations below the specific exposure or flammable limits. Do not eat, drink or smoke when using this product. Consumption of food and beverages should be avoided in work areas.

7.2 Conditions for safe storage, including incompatibilities.

Keep containers tightly closed in a dry and well-ventilated area. Keep away from sources of ignition, open

flame, heat and sparks. Keep away from oxidizing agents and strongly acid or alkaline materials.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Exposure Guidelines

<u>Material</u>	<u>CAS #</u>	<u>Exposure Limits</u>	<u>Basis</u>
Aliphatic Hydrocarbon Solvents	Proprietary	oil mist 5mg/m ³ TLV	OSHA PEL

Immediately Dangerous to Life or Health Concentrations (IDLH)

None known

8.2: Engineering measures

Ventilation Requirements: Adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specific exposure or flammable limits. Handle only in places equipped with local exhaust or other appropriate exhaust recommendations.

Personal protective equipment

Protective measures: Ensure that eye flushing /eye wash stations and safety showers are located and accessible to work place area.

Respirator: Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified.

Skin / Hand Protection: Use gloves when handling products. Long sleeved clothing and or chemical resistant apron for protection when handling product. Always wash hands and face with soap and water before eating, drinking, and smoking. Safety showers are recommended.

Eye Protection: If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety glasses or goggles. Eye wash stations are recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Paste

Color: Various

Odor: Slight Hydrocarbon

pH: No Data

Melting point/ freezing point: Not determined

Boiling point / Range: 300 – 700 °F

Flashpoint: > 300 °F

Evaporation Rate: No Data

Flammability (solid/ gas): Not Data

Upper/ lower flammability explosion limits: Not determined

Vapor Pressure (mm Hg @ 68°F): Not determined

Vapor Density (Air = 1): > 1

Relative Density (H₂O = 1): 1.02 – 1.11

Solubility in Water: Insoluble

n- Octanol/ Water: Not determined

Auto-ignition temperature: Product is not self igniting

Decomposition temperature: Not determined

Viscosity, dynamic: Not determined

Explosive properties: Not determined

Oxidizing properties: Not determined



9.2 Other Information

Bulk Density: 8.51 – 9.25

VOC: < 0.46

% volatile: 4.0 – 5.0

SECTION 10: STABILITY AND REACTIVITY INFORMATION

10.1 Reactivity: Stable under recommended storage conditions.

10.2 Chemical Stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions: Decomposition may occur on exposure to conditions or materials.

10.4 Conditions to avoid: Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials: Avoid strong oxidizing agents, acids and strong bases.

10.6 Hazardous Decomposition Products: CO₂, CO, and nitrogen oxides (NO_x) may be generated as products of combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity: No data available on complete product.

Carcinogenicity:

IARC: No component of this product presents at levels greater than or equal to 0.1 % is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product presents at levels greater than or equal to 0.1 % is identified as a carcinogen or potential carcinogen by OSHA.

NTP: No component of this product presents at levels greater than or equal to 0.1 % is identified as a known or anticipated carcinogen by NTP.

ACGIH: No component of this product presents at levels greater than or equal to 0.1 % is identified as a known or anticipated carcinogen by ACGIH

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: No data available on complete product or components.

12.2 Persistence and degradability: No data available on complete product or components.

12.3 Bioaccumulative potential: No data available on complete product or components.

12.4 Mobility in soil: No data available on complete product or components.

12.5 Results of PBT and vPvB assessment: No data available on complete product or components.

12.6 Other adverse effects: No known adverse effects. on complete product or components.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Method: If recycling as ink is not possible, material may be incinerated or land filled at a licensed facility in accordance with local, state, and federal regulations. Waste shall not be disposed of into sewer system, drains, and waterways or into the environment.

13.1.1 Product/ Packaging disposal: Empty containers or liners may retain some product residue, dispose of in accordance to state, local and Federal regulations. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

Waste codes/ waste designations according to LoW: * If discarded in its original unused form, this product does NOT exhibit the characteristics of a RCRA hazardous waste as defined under 40CFR261.



SECTION 14: TRANSPORT INFORMATION

US DOT (Ground): Not Dangerous Goods
14.1 UN number: Not applicable
14.2 UN Proper Shipping Name: Not Hazardous
14.3 Transport hazard class: Not applicable
14.4 Packing Group: Not applicable
14.5 Environmental hazards: Not applicable:

IMDG (Sea): Not Dangerous Goods
UN number: Not applicable
UN Proper Shipping Name: Not Hazardous
Transport hazard class: Not applicable
Packing Group: Not applicable
Environmental hazards: Not applicable

ICAO/ IATA (Air): Not Dangerous Goods
UN number: Not applicable
UN Proper Shipping Name: Not Hazardous
Transport hazard class: Not applicable
Packing Group: Not applicable
Environmental hazards: Not applicable

National Fire Protection: IIIB

SECTION 15: REGULATORY INFORMATION

TSCA Section 8(b) Inventory Status:

All component(s) of this product are listed on the TSCA Inventory.

HMIS Classification: Health hazard: 2
Flammability: 1
Physical & Chemical Hazards: 0
Reactivity: 1
PPI: Safety glasses, Gloves

OSHA Hazards: This material is Not Hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

SARA Title III Section 313: This product does Not contain toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1086 and 40CFR part 372.

Emergency Planning Community Right – To- Know (EPCRA)

Section 302 – Extremely hazardous substances: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section 311/312 – Hazard Categories: Pursuant to Section 311/312 of SARA Title III, the physical and health hazard categories for this product are identified below:

Fire Hazard – No
Sudden Release of Pressure Hazard – No
Reactivity Hazard – No
Immediate (acute) Health Hazard – YES



Delayed (chronic) Health Hazard – No

CERCLA Reportable Quantity: Calculated RQ exceeds reasonably attainable upper limit.

SARA 302 Reportable Quantity: This material does Not contain any components with a SARA 302 RQ.

SARA 304 Reportable Quantity: This material does Not contain any components with a section 304 EHS RQ.

Hazardous Air Pollutants: This product does Not contain HAPs at 1% or greater.

U.S. State Regulations

California Proposition 65:

This product contains a chemical(s) known by the state of California to cause cancer and/or reproductive harm.

<u>Chemical</u>	<u>CAS#</u>	<u>%</u>
Benzene	71-43-2	Trace amounts
Benzophenone	119-61-9	Trace amounts

Canadian Environmental Protection Act: Components of this product are listed on Domestic Substance List

SECTION 16: OTHER INFORMATION

Hazard Symbols:

X: Irritant

Hazard statements

H315: Causes skin irritation

H319: Irritating to eyes

H317: May cause an allergic skin reaction

Risk Phrases:

R36/37/ 38: Irritating to eyes, skin and respiratory

The information herein is presented in good faith, based on the data available to us and is believed to be correct as of the date hereof. However, Gans Ink and Supply Co., Inc. makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Gans Ink and Supply Co., Inc. assumes no responsibility for any damages of any nature directly or indirectly resulting from the use of or reliance upon the information contained herein. Users must make their own determination as to the suitability of the product for their purpose prior to use. In accordance with good practices of personal cleanliness and hygiene, handle with due care and avoid unnecessary contact with this product.

B

Safety Glasses
Gloves

