



GANS INK
& SUPPLY CO.

Safety Data Sheet

In compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 1: IDENTIFICATION

SDS Number: 645, version 1/8/2019

(a) Product identifier

Gans Item ID: A131157, A131158, A131159, A131160, A103091, C023064

Gans Description: OS LO-VOC Nu-Centura Pro, OS Soy Plus Stallion Black, OS L/T Stallion Soy Plus Black

(b) Other means of identification

General description: Lithographic printing ink

(c) Recommended use

Product Use: Industrial use only

Restrictions on use: Not for residential use.

(d) Supplier's details

Manufacturer: Gans Ink and Supply Co, Inc.

Address: 1441 Boyd Street
Los Angeles, CA 90033

Contact Person: Marco Ramos

Telephone: 323- 264-2200 x139

Email: MSDS@gansink.com

(e) Emergency telephone numbers:

Chemical spill or physical hazard: Contact the Local Emergency Response Agency 9-1-1, or the Local Fire Department

Ingestion or health hazard: Contact the National Capital Poison Center, Poison Control: 800 222-1222; Poison.org

SECTION 2: HAZARD(S) IDENTIFICATION

(a) Classification

This mixture is hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Physical hazards: not classified as hazardous

Health hazards:

- Skin Irritation – Category 2
- Eye Damage/Irritation – Category 2A
- Sensitization, Skin – Category 1B
- Germ Cell Mutagenicity – Category 1B
- Carcinogenicity – Category 1B
- Toxic to Reproduction – Category 2

(b) Label elements

Signal Word: Danger

Hazard Statements: Causes skin irritation; Causes serious eye irritation; May cause an allergic skin reaction; May cause genetic defects; May cause cancer; Suspected of damaging fertility or the unborn child

Precautionary Statements:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing fume/mist/ vapors/spray. Wash contaminated areas thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response:

IF EXPOSED OR CONCERNED: Get medical advice/attention.

IF ON SKIN OR HAIR: Wash with plenty of water and mild soap. If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Storage: Store locked up.

Disposal: Dispose of contents/container to disposal recycling center. Waste management should be in full compliance with federal, state and local laws.

Hazard Pictograms:



(c) Hazards not otherwise classified

None known

(d) Ingredients of unknown acute toxicity

None known

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

TS = Trade Secret (as specified by substance manufacturer)

Substance	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
Proprietary resin	TS	0.0%	12.3%
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	0.0%	2.8%

Substance	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
Fatty acids, tall-oil, cobalt salts	61789-52-4	0.0%	1.1%
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	6846-50-0	0.0%	0.7%
Rosin Adduct Ester	TS	0.0%	0.4%
Distillates (petroleum), hydrotreated middle	64742-46-7	0.0%	0.4%
Hydroquinone	123-31-9	0.0%	0.2%
Residual oils (petroleum), solvent-dewaxed	64742-62-7	0.0%	0.2%
Distillates (petroleum), sweetened middle	64741-86-2	0.0%	0.2%
Stoddard solvent	8052-41-3	0.0%	0.1%
2-methylpropan-1-ol	78-83-1	0.0%	0.1%

SECTION 4: FIRST AID MEASURES

(a) Description of first aid measures:

Ingestion: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician.

Inhalation: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing.

Skin contact: Wash with plenty of water and mild soap. If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

(b) Most important symptoms and effects, both acute and delayed:

Ingestion: May cause genetic defects; May cause cancer; Suspected of damaging fertility or the unborn child

Inhalation: Data not available

Skin contact: Causes skin irritation; May cause an allergic skin reaction;

Eye contact: Causes serious eye irritation;

(c) Indication of any immediate medical attention and special treatment needed:

Symptoms such as burning, pain, or irritation to eyes, or skin may indicate exposure and the need for first aid.

SECTION 5: FIRE – FIGHTING MEASURES

(a) Extinguishing Media:

Suitable extinguishing media: Use CO₂, dry chemical, fire-fighting foam, or water fog extinguishing media

Unsuitable extinguishing media: Do not use water stream. Water stream or spray is OK to cool unopened containers only.

(b) Special hazards arising from the substance or mixture: None known

(c) Special protective equipment and precautions for fire-fighters: Wear NIOSH approved self-contained respiratory protective device, and fully protective fire-fighting suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

(a.i) Personal precautions:

Ensure adequate ventilation. Use personal protective equipment. Avoid breathing vapor. Avoid contact with skin, eye or clothing.

(a.ii) Protective equipment: See Section 8

(a.iii) Emergency procedures: Follow your company emergency response procedure.

(b) Methods for containment and cleaning up:

Dike and contain spill. For large spills remove by mechanical means and place in containers. Absorb residue or small spills with absorbent material and remove to non-leaking containers for disposal.

SECTION 7: HANDLING AND STORAGE

(a) Precautions for safe handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection, face protection. Avoid breathing fume, mist, vapors, spray. Wash hands and contaminated areas thoroughly after handling.

(b) Conditions for safe storage:

Store locked up

Incompatibilities: Keep away from strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

(a) Permissible exposure limits		OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH 2015 TVL
Substance	CAS #	ppm	mg/m ³	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
Hydroquinone	123-31-9		2	2 mg/m ³	(C) 2 mg/m ³ [15-min]	1 mg/m ³
Stoddard solvent	8052-41-3	500	2900	100 ppm	350 mg/m ³ (C) 1800 mg/m ³ [15-min]	100 ppm
2-methylpropan-1-ol	78-83-1	100	300	50 ppm	50 ppm	50 ppm

No other hazardous ingredients in this mixture appear on OSHA Annotated Tables Z-1, Z-2, or Z-3.

(b) Appropriate engineering controls:

Ventilation requirements: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

General protective measures: Ensure that eye flushing /eye wash stations, and hand washing areas are accessible.

(c) Personal protective equipment:

Inhalation: Avoid breathing mist/vapors/spray. Where mist/vapors/spray is present, an organic vapor respirator is recommended.

Skin Contact: Wear protective gloves/protective clothing. Nitrile rubber gloves are compatible with ink chemistry.

Eye Contact: Wear eye protection/face protection. Eye and face protective devices must comply with ANSI Z87.1-1989. Recommended eye protection: full face shield.

Ingestion: Avoid eating, drinking, or smoking in work area and wash hands after handling this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- (a) **Appearance (physical state, color):** Paste, various colors
- (b) **Odor:** Oleoresinous
- (c) **Odor threshold:** Data not available
- (d) **pH:** Not applicable
- (e) **Melting point/ freezing point:** Data not available
- (f) **Initial Boiling point / Range:** Data not available
- (g) **Flashpoint:** > 200 °F (> 93 °C)
- (h) **Evaporation Rate:** Data not available
- (i) **Flammability (solid/ gas):** Data not available
- (j) **Upper/ lower flammability explosion limits:** Data not available
- (k) **Vapor Pressure:** Data not available
- (l) **Vapor Density (Air = 1):** Data not available
- (m) **Relative Density (H₂O = 1):** 1.08 average
- (n) **Solubility:** Minimally soluble in water
- (o) **Partition coefficient n- Octanol/ Water:** Data not available
- (p) **Auto-ignition temperature:** Data not available
- (q) **Decomposition temperature:** Data not available
- (r) **Viscosity:** Data not available

Other properties

VOC % (wt.): 3.7 average

VOC: 0.37 lbs./gal; 40 g/L average

SECTION 10: STABILITY AND REACTIVITY INFORMATION

- (a) **Reactivity:** Not reactive under normal storage conditions. See Section 7.
- (b) **Chemical stability:** Mixture is chemically stable under normal storage and handling conditions, and under normal temperatures and pressures.
- (c) **Possibility of hazardous reactions:** No data available
- (d) **Conditions to avoid:** Keep away from high heat, freezing.
- (e) **Incompatible materials:** Strong oxidizers.
- (f) **Hazardous decomposition product:** Carbon and nitrogen oxides are the main combustion gases.

SECTION 11: TOXICOLOGICAL INFORMATION

(a) Likely routes of exposure: Skin contact, eye contact, inhalation, and ingestion.

(b) Symptoms related to physical, chemical, and toxicological characteristics:

Skin contact: Causes skin irritation; May cause an allergic skin reaction;

Eye contact: Causes serious eye irritation.

Inhalation: Data not available

Ingestion: May cause genetic defects; May cause cancer; Suspected of damaging fertility or the unborn child.

(c) Delayed and immediate effects, and chronic effects from long-term exposure

May cause genetic defects; May cause cancer; Suspected of damaging fertility or the unborn child.

(d) Numerical measures of toxicity, acute:

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
Proprietary resin	TS	Data not available	Data not available	Data not available
Distillates (petroleum)...	64742-53-6	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 2.18 - 5.53 mg/L air (rat)	LD50 2000 - 5000 mg/kg bw (rabbit)
Fatty acids, tall-oil, cobalt salts	61789-52-4	Data not available	Data not available	Data not available
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	6846-50-0	Data not available	Data not available	Data not available
Rosin Adduct Ester	TS	Data not available	Data not available	Data not available
Distillates (petroleum)...	64742-46-7	Data not available	Data not available	Data not available
Hydroquinone	123-31-9	LD50 367.3 - 375 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rabbit)
Residual oils (petroleum)...	64742-62-7	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 2.18 - 5.53 mg/L air (rat)	LD50 2000 - 5000 mg/kg bw (rabbit)
Distillates (petroleum)...	64741-86-2	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 1.72 - 4.6 mg/L air (rat)	LD50 2000 mg/kg bw (rabbit)
Stoddard solvent	8052-41-3	LD50 5000 mg/kg bw (rat)	LC50 (8 h) 8.2 - 12.19 mg/L air (rat)	LD50 3000 - 3160 mg/kg bw (rabbit)
2-methylpropan-1-ol	78-83-1	LD50 2830 - 3350 mg/kg bw (rat)	LC50 (6 h) 18.18 mg/L air (rat)	LD50 2000 - 2460 mg/kg bw (rabbit)

(e) Carcinogens information:

IARC; Group 1 (Carcinogenic to humans), Group 2A (Probably carcinogenic to humans), or Group 2B (Possibly carcinogenic to humans) by IARC: This mixture does not contain listed materials.

NTP; 13th Report on Carcinogens: This mixture does not contain listed materials.

OSHA: This mixture does not contain listed materials.

SECTION 12: ECOLOGICAL INFORMATION**(a) Ecotoxicity**

Classification of mixture: Not classified as hazardous

(b) Persistence and degradability: No data available

(c) Bioaccumulative potential: No data available.

(d) Mobility in soil: No data available

(e) Other adverse effects: No known adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with local/regional/national regulations. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

RCRA:

- 2-methylpropan-1-ol CAS 78-83-1: code U140

SECTION 14: TRANSPORT INFORMATION

US DOT (Ground): Not regulated as a dangerous good

(a) UN number: Not regulated as a dangerous good

(b) UN Proper Shipping Name: Not regulated as a dangerous good

(c) Transport hazard class: Not regulated as a dangerous good

(d) Packing Group: Not regulated as a dangerous good

(e) Environmental hazards: Not regulated as a dangerous good

(f) Transport in bulk

MARPOL 73/78: Not regulated as a dangerous good

IBC: Not regulated as a dangerous good.

(g) Special Precautions: None known

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Section 8(b) Inventory Status: All ingredients in this mixture are listed on the TSCA Chemical Inventory, or are not required to be listed.

EPCRA, Section 302 – Extremely hazardous substances:

- Hydroquinone CAS 123-31-9: TPQ = 500/10,000

CERCLA Hazardous Substances:

- Hydroquinone CAS 123-31-9: RQ = 100
- 2-methylpropan-1-ol CAS 78-83-1: RQ = 5000

EPCRA Section 313 Toxic Chemicals:

- Hydroquinone CAS 123-31-9

CAA 112(r) Regulated Chemicals for Accidental Release Prevention: This mixture does not contain listed materials.

Hazardous Air Pollutants (HAP):

U.S. State Regulations

California Proposition 65: This mixture does not contain listed materials.

New Jersey Right to Know

- Hydroquinone CAS 123-31-9
- Stoddard solvent CAS 8052-41-3
- 2-methylpropan-1-ol CAS 78-83-1

Oregon DEQ List of Air Toxic Contaminants:

- Hydroquinone CAS 123-31-9

Pennsylvania Right to Know

- Hydroquinone CAS 123-31-9
- Stoddard solvent CAS 8052-41-3
- 2-methylpropan-1-ol CAS 78-83-1

Canadian Environmental Protection Act:

WHMIS Classification: No data available

European Chemical Agency (ECHA)

Candidate List of Substances of Very High Concern (SoVHC), including 27 June 2018 update: This mixture does not contain listed materials.

SECTION 16: OTHER INFORMATION

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.