



GANS INK
& SUPPLY CO.

Safety Data Sheet

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

SECTION 1: IDENTIFICATION

SDS Number: 601, version 8/7/2017

(a) Product identifier

Gans Item ID: S-1300, S-22, 26240, A115912, I011603

Gans Description: Marlite Overprint Varnish, Dynamic Duo Dull Varnish, OS Diamond Sheen OP Varnish, OS Sahara Matte OP Varnish, OS Satin OPV T6-7

(b) Other means of identification

General description: Lithographic overprint varnish

(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 number:

Available only during business hours

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

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

SECTION 2: HAZARD(S) IDENTIFICATION

(a) Classification: Classified as Hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Physical hazards: NA

Health hazards:

- Skin Irritation – Category 2
- Eye Damage/Irritation – Category 2A
- Sensitization, Respiratory – Category 1B
- Sensitization, Skin – Category 1A

(b) Label elements

Signal Word: Danger

Hazard Statements: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements: Wear protective gloves. Wear eye protection/face protection. Avoid breathing mist/vapors/spray. In case of inadequate ventilation, wear respiratory protection.

Wash contaminated areas thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response:

IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor.

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.

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: NA

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Substance	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
Rosin ester, Gans V-5117	TS	0	25.0%
Rosin ester, Gans V-5137	TS	0	19.8%
Rosin ester, Gans V-5138	TS	0	12.0%
Distillates (petroleum), hydrotreated light	64742-47-8	0	10.0%
Alkyd resin	TS	0	6.2%
Cobalt bis(2-ethylhexanoate)	136-52-7	0	1.9%
Stoddard solvent	8052-41-3	0	1.9%
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines	68410-23-1	0	1.0%
2,2'-oxydiethanol	111-46-6		0.9%
Potassium 2-ethylhexanoate	3164-85-0	0	0.9%
2-ethylhexanoic acid, manganese salt	15956-58-8	0	0.6%
2,6-di-tert-butyl-p-cresol	128-37-0	0	0.3%
2-ethylhexanoic acid, zirconium salt	22464-99-9	0	0.3%

SECTION 4: FIRST AID MEASURES

(a) Description of first aid measures:

Inhalation: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor.

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.

Ingestion: Data not available.

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

Ingestion: Data not available.

Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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: Data not available.

SECTION 5: FIRE – FIGHTING MEASURES

(a) Extinguishing Media:

Suitable extinguishing media: Use CO₂, dry chemical extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media: Water with full jet.

(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: Wear protective gloves. Wear eye protection/face protection. Avoid breathing mist/vapors/spray. In case of inadequate ventilation, wear respiratory protection.

(a.ii) Protective equipment: See Section 8 for details. Use personal protective equipment that is appropriate for the general industrial environment.

(a.iii) Emergency procedures: Follow emergency procedures that are appropriate for the general industrial environment.

(b) Methods for containment and cleaning up: Dike and contain spill. Soak up with inert absorbent material.

SECTION 7: HANDLING AND STORAGE

(a) Precautions for safe handling: Do not ingest. Wash hands after handling. Take off contaminated clothing and wash it before reuse. Wear protective gloves. Wear eye protection/face protection. Avoid breathing mist/vapors/spray. In case of inadequate ventilation, wear respiratory protection.

(b) Conditions for safe storage: Keep cool. Do not freeze. Ideal storage temperature is 50-90 °F (10-32 °C).

Incompatibilities: Keep away from oxidizing agents. Keep away from high heat, and freezing.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

(a) Permissible exposure limits		OSHA PEL		Ca/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
Stoddard solvent	8052-41-3	500	2900	100 ppm	350 mg/m ³ (C) 1800 mg/m ³ [15-min]	100 ppm

No other hazardous ingredients 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: Where mist or aerosol is present, an organic vapor full facepiece respirator is recommended (to protect eyes and face as well).

Skin Contact: Wear protective gloves/protective clothing that is appropriate for the general industrial environment. Neoprene or nitrile gloves are recommended.

Eye Contact: Wear eye protection, and 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): Viscous liquid, amber color

(b) Odor: Mild oleoresinous smell

(c) Odor threshold: Data not available

(d) pH: NA

(e) Melting point/ freezing point: Data not available

(f) Initial Boiling point / Range: Data not available

(g) Flashpoint: > 200 °F (> 93.3 °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):

- S-1300 ~ .96
- S-22 ~ 1.1
- 26240 ~ .97

- A115912 ~ 1.2
- I011603 ~ 1.0

(n) **Solubility:** Insoluble 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.):

- S-1300 ~ 22%
- S-22 ~ 12%
- 26240 ~ 21.3%
- A115912 ~ 19.0%
- I011603 ~ 20.3

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:** Data not available

SECTION 11: TOXICOLOGICAL INFORMATION

(a) **Likely routes of exposure:** Inhalation, skin contact, eye contact, ingestion.

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

Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

Eye contact: Causes serious eye irritation.

Ingestion: Not classified as Hazardous

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

- Data not available

(d) Numerical measures of toxicity, acute:

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
Gans V-5117	TS	Data not available	Data not available	Data not available
Gans V-5137	TS	Data not available	Data not available	Data not available
Gans V-5138	TS	Data not available	Data not available	Data not available
Distillates	64742-47-8	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 5.28 mg/L air (rat)	LD50 2000 mg/kg bw (rabbit)
Alkyd resin	TS	Data not available	Data not available	Data not available

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
Cobalt bis(2-ethylhexanoate)	136-52-7	LD50 3 129 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rat)
Stoddard solvent	8052-41-3	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 5.5 mg/L air (rat)	LD50 3000 - 3160 mg/kg bw (rabbit)
(polyamide resin)	68410-23-1	LD50 2000 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rat)
2,2'-oxydiethanol	111-46-6	NOAEL (rat): 10,000 mg/kg diet	Data not available	NOAEL (dog): 2220 - 4440 mg/kg bw/day
Potassium 2-ethylhexanoate	3164-85-0	LD50 2043 mg/kg bw (rat)	LC0 (8 h) 110 mg/m ³ air (rat)	LD50 2000 mg/kg bw (rat)
2-ethylhexanoic acid, manganese salt	15956-58-8	LD50 1470 - 2150 mg/kg bw (rat)	LC50 (4 h) 4.45 mg/L air (rat)	LD50 2000 mg/kg bw (rat)
2,6-di-tert-butyl-p-cresol	128-37-0	LD50 2930 - 6000 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rat)
2-ethylhexanoic acid, zirconium salt	22464-99-9	LD50 2043 - 5000 mg/kg bw (rat)	LC0 (8 h) 110 mg/m ³ air (rat)	LD50 2000 mg/kg bw (rat)

(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.

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 of this mixture are listed on the TSCA Inventory

EPCRA, Section 302 – Extremely hazardous substances: This mixture does not contain listed materials.

CERCLA Hazardous Substances:

- 2,2'-oxydiethanol CAS 111-46-6, Glycol ethers N230

EPCRA Section 313 Toxic Chemicals:

- 2,2'-oxydiethanol CAS 111-46-6, Glycol ethers N230

CAA 112(r) Regulated Chemicals for Accidental Release Prevention:

- 2,2'-oxydiethanol CAS 111-46-6, Glycol ethers N230

Hazardous Air Pollutants (HAP):

- 2,2'-oxydiethanol CAS 111-46-6, Glycol ethers N230

U.S. State Regulations

Pennsylvania Right to Know: This mixture does not contain listed materials.

- Stoddard solvent CAS 8052-41-3
- 2,2'-oxydiethanol CAS 111-46-6
- 2,6-di-tert-butyl-p-cresol CAS 128-37-0

New Jersey Right to Know: This mixture does not contain listed materials.

- Stoddard solvent CAS 8052-41-3
- 2,6-di-tert-butyl-p-cresol CAS 128-37-0

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

Canadian Environmental Protection Act:

WHMIS Classification: No data available

European Chemical Agency (ECHA): 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.