



GANS INK  
& SUPPLY CO.

## Safety Data Sheet

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

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### SECTION 1: IDENTIFICATION

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**SDS Number:** 500.3, version 7/9/2018

**(a) Product identifier**

**Gans Item ID:** UV16304

**Gans Description:** UV M/IQ Opaque White NTPO

**(b) Other means of identification**

**General description:** Lithographic printing ink, UV cure

**(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](mailto: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

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### SECTION 2: HAZARD(S) IDENTIFICATION

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**(a) Classification**

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

**Physical hazards:** Not classified as hazardous

**Health hazards:**

- Eye Damage/Irritation – Category 1
- Sensitization, Skin – Category 1A
- Toxic to Reproduction – Category 1A

**(b) Label elements**

**Signal Word:** Danger



GANS INK  
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**Hazard Statements:** Causes serious eye damage; May cause an allergic skin reaction; May damage 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. 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 or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

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

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

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**SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS**

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**Substance / Mixture:** Mixture

TS = Trade Secret (as specified by substance manufacturer)

Substance	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
2-(2-hydroxyethoxy)ethan-1-ol 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane oxepan-2-one 2-hydroxyethyl prop-2-enoate	72162-39-1	15.5%	23.2%
Acrylated resin	TS	4.4%	6.6%
Oxybis(methyl-2,1-ethanediyl) diacrylate	57472-68-1	4.0%	6.0%
Pentaerythritol, ethoxylated, esters with acrylic acid	51728-26-8	3.2%	4.8%
Gans Photoinitiator UVP-2007	TS	2.6%	3.9%
Gans Photoinitiator UVP-2002	TS	2.4%	3.6%
Gans Photoinitiator UVP-2008	TS	0.4%	0.6%
Glycerol, propoxylated, esters with acrylic acid	52408-84-1	0.3%	0.4%

Substance	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	55818-57-0	0.2%	0.3%
Tris(N-hydroxy-N-nitrosophenylamino-O,O') aluminium	15305-07-4	0.0%	0.1%

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#### SECTION 4: FIRST AID MEASURES

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**(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 or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

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

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

**Ingestion:** May damage fertility or the unborn child

**Inhalation:** Data not available. Not classified as hazardous

**Skin contact:** May cause an allergic skin reaction;

**Eye contact:** Causes serious eye damage;

**(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.

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#### SECTION 5: FIRE – FIGHTING MEASURES

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**(a) Extinguishing Media:**

**Suitable extinguishing media:** Use CO<sub>2</sub>, 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 containers only.

**(b) Special hazards arising from the substance or mixture:** Thermal decomposition or combustion products may include CO<sub>x</sub>, and NO<sub>x</sub>. High pressure may build up in heated containers.

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

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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**(a.i) Personal precautions:**

Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing fume/mist/ vapors/spray. Contaminated work clothing must not be allowed out of the workplace.

**(a.ii) Protective equipment:** Use personal protective equipment. Wear protective gloves/protective clothing, eye protection, face protection. See Section 8 for details.

**(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:**

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. Contaminated work clothing must not be allowed out of the workplace.

### **(b) Conditions for safe storage:**

Store locked up.

**Incompatibilities:** Keep away from strong oxidizing agents.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>(a) Permissible exposure limits</b>		OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH 2015 TVL
Substance	CAS #	ppm	mg/m <sup>3</sup>	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
No hazardous ingredients in this mixture appear on OSHA Annotated Tables Z-1, Z-2, or Z-3.						

### **(b) Appropriate engineering controls:**

**Ventilation requirements:** Ensure adequate ventilation for general industrial environment.

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

### **(c) Personal protective equipment:**

**Inhalation:** Avoid breathing fume/mist/ vapors/spray. Where fume/mist/ vapors/spray is present, an organic vapor full facepiece respirator is recommended (to protect eyes and face as well).

**Skin Contact:** Neoprene or nitrile gloves are recommended. PVC gloves are not compatible. Always wear long sleeves and where exposure potential is high, a neoprene or other chemical resistant apron is 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 paste, opaque white

**(b) Odor:** Characteristic acrylate

**(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:** > 212 °F (>100 °C) estimated

- (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 (mm Hg @ 68°F):** Data not available  
 (l) **Vapor Density (Air = 1):** Data not available  
 (m) **Relative Density (H<sub>2</sub>O = 1):** 2.3 calculated  
 (n) **Solubility:** Data not available  
 (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.):** < 1.0

**VOC:** .19 lbs./gal; 23 g/L

**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:** Exposure to excess heat may cause exothermic polymerization reaction.  
 (d) **Conditions to avoid:** Avoid contact with heat (temperature > 100° F, 38° C), sources of ignition, sunlight, and strong oxidizers.  
 (e) **Incompatible materials:** Radical forming initiators, peroxides or other strong oxidizers, strong alkalies or reactive metals.  
 (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:** May cause an allergic skin reaction

**Eye contact:** Causes serious eye damage

**Inhalation:** Data not available. Not classified as hazardous

**Ingestion:** May damage fertility or the unborn child

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

Causes serious eye damage; May cause an allergic skin reaction; May damage fertility or the unborn child

**(d) Numerical measures of toxicity, acute:** Data not available for all listed hazardous ingredients

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
Oxybis(methyl-2,1-ethanediyl)...	57472-68-1	LD50 2810 - 4270 mg/kg bw (rat)	LC0 (7 h) 545 - 410 000 µg/m <sup>3</sup> air (rat)	LD50 2000 mg/kg bw (rabbit)
Pentaerythritol, ethoxylated, esters with acrylic acid	51728-26-8	LD50 2000 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rat)

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
Gans Photoinitiator UVP-2007	TS	LD50 1694 mg/kg bw (rat)	Data not available	LD50 6929 mg/kg bw (rat)
Gans Photoinitiator UVP-2002	TS	LD50 1340 - 2756 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rat)
Gans Photoinitiator UVP-2008	TS	LD50 2000 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rat)
Glycerol, propoxylated...	52408-84-1	LD50 2000 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rat)
4,4'-Isopropylidenedi phenol,...	55818-57-0	LD0 2000 mg/kg bw (rat)	Data not available	LD0 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;** 13<sup>th</sup> 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:** No data available

**IBC:** No data available

**(g) Special Precautions:** None known

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## SECTION 15: REGULATORY INFORMATION

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### 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:** This mixture does not contain listed materials.

**EPCRA Section 313 Toxic Chemicals:** This mixture does not contain listed materials.

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

**Hazardous Air Pollutants (HAP):** This mixture does not contain listed materials.

### U.S. State Regulations

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

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

**Oregon DEQ List of Air Toxic Contaminants:** This mixture does not contain listed materials.

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

### Canadian Environmental Protection Act:

**WHMIS Classification:** No data available

### European Chemical Agency (ECHA)

**Candidate List of Substances of Very High Concern (SoVHC):** This mixture does not contain listed materials.

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## SECTION 16: OTHER INFORMATION

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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.