



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:** 510.2, version 7/26/2016

**(a) Product identifier**

**Gans Item ID:** UV13573, UV15647, UV15682

**Gans Description:** UV HS2 Metallics; Plasticure Petro Silver

**(b) Other means of identification**

**General description:** Lithographic printing inks, 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
- **Health hazards:**
  - Acute toxicity oral - Category 4
  - Skin Irritation - Category 2
  - Eye Irritation - Category 2A
  - Skin Sensitization - Category 1A
  - Reproductive Toxicity - Category 1B

**(b) Label elements**

**Signal Word:** Warning

**Hazard Statements:** Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child

**Precautionary Statements:**

Prevention: Wash all contaminated areas thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/ vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Response: If exposed or concerned: Get medical advice/attention.

IF SWALLOWED: If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.

IF INHALED: No recommendation.

IF ON SKIN (OR HAIR): Wash with plenty of water. 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**

NA

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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. %)
Acrylate oligomer	TS	0.0%	58.8%
Acrylated Resin	TS	0.0%	30.8%
Copper	7440-50-8	0.0%	30.8%

Substance	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
Aluminum	7429-90-5	0.0%	19.6%
Propoxylated Glyceryl Triacrylate	52408-84-1	0.0%	19.6%
Trimethylolpropane Triacrylate, Ethoxylated	28961-43-5	0.0%	19.6%
Acrylated polyol	13048-33-4	0.0%	17.6%
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	0.0%	9.8%
2-Hydroxy-2-methyl-1-phenyl-1-propanone	7473-98-5	0.0%	9.8%
Zinc	7440-66-6	0.0%	8.8%
Phosphoric acid esters, amine salt	TS	0.0%	2.5%
Epoxy Acrylate Oligomer	55818-57-0	0.0%	2.2%
1-butanone, 2-(dimethylamino)-1-[4-(4-morpholinyl)phenyl]-2-(phenylmethyl)-	119313-12-1	0.0%	2.2%
Hexamethylene diacrylate	13048-33-4	0.0%	1.4%
Polyester Acrylate	TS	0.0%	0.5%
DiTrimethylolpropane Tetraacrylate	94108-97-1	0.0%	0.5%
Vinylester Resin	TS	0.0%	0.4%
Neopentylglycol propoxylated diacrylate	84170-74-1	0.0%	0.2%
Gans UVP-2013	TS	0.0%	0.1%
Glycerol propoxylate triacrylate	TS	0.0%	0.1%

#### SECTION 4: FIRST AID MEASURES

##### **(a) Description of first aid measures:**

**Ingestion:** If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.

**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.

**Skin contact:** Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**Inhalation:** No recommendation.

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

**Ingestion:** Harmful if swallowed. Suspected of damaging fertility or the unborn child.

**Eye contact:** Causes serious eye irritation.

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

**Inhalation:** No data available

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

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

#### SECTION 5: FIRE – FIGHTING MEASURES

##### **(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 unopened 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:**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

No smoking or other sources of ignition near spillage.

Wear protective gloves/protective clothing/eye protection/face protection.

Ensure adequate area ventilation, and avoid inhalation of fumes.

### **(a.ii) Protective equipment:**

See Section 8

### **(a.iii) Emergency procedures:**

If dangerous conditions exist, contact emergency response personnel, follow emergency procedures, and contact emergency response authorities.

### **(b) Methods for containment and cleaning up:**

If it is safe to do so, adjust leaking containers to reduce or eliminate the continued release. Wear all Personal Protection listed in Section 8 before directly contacting spilled material. For high viscosity materials, scoop or shovel material into appropriate container for reuse, recycling, or disposal. For low viscosity materials, first surround and then cover spilled material with inert absorbent (vermiculite, or similar). Then scoop or shovel material into appropriate container for reuse, recycling, or disposal.

Residual material can be cleaned with UV blanket wash, acetone, or other press solvent.

Consult your company's spill procedure for details of regulatory restrictions and recommendations.

Do not allow spilled materials, or clean up materials to enter storm drains or natural water ways.

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## SECTION 7: HANDLING AND STORAGE

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### **(a) Precautions for safe handling:**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash all contaminated areas thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/ vapors/spray. Contaminated work clothing must not be allowed out of the workplace.

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

Store locked up. Store in original container and keep containers covered and sealed. Store in cool, dry, well-ventilated place.

Appropriate storage temperature is approximately 7° - 35° C (45° - 95° F).

**Incompatibilities:** Avoid contact with heat, sources of ignition, sunlight, and strong oxidizers.

## 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 <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 data available						

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

**Ventilation requirements:** Adequate ventilation in accordance with good engineering practice must be provided.

**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..

**Skin Contact:** Wear protective gloves/protective clothing. Contaminated work clothing must not be allowed out of the workplace. 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/face protection. Eye and face protective devices must comply with ANSI Z87.1-1989. Recommended eye protection: goggles, flexible fitting, hooded ventilation. A transparent face shield is recommended.

**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 or liquid, various colors

**(b) Odor:** Ester-like

**(c) Odor threshold:** Data not available

**(d) pH:** Data not available

**(e) Melting point/ freezing point;** Data not available

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

**(g) Flashpoint:** > 212 °F (> 100 °C)

**(h) Evaporation Rate:** Data not available

**(i) Flammability (solid/ gas):** Not classified as flammable/ Not classified as flammable

**(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):** Data not available

**(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): ≤ 1.0

VOC (lbs./gal): ≤ 0.08

**SECTION 10: STABILITY AND REACTIVITY INFORMATION**

(a) **Reactivity:** Not reactive under normal storage conditions. See Section 7. Mixture will undergo polymerization reaction in the presence of sunlight, bright industrial lights, or high temperatures.

(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:** No data available.

**SECTION 11: TOXICOLOGICAL INFORMATION**

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

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

**Skin contact:** There may be irritation and redness at site of contact.

**Eye contact:** There may be irritation and redness. Eyes may water profusely.

**Inhalation:** No data available

**Ingestion:** There may be irritation and redness of the mouth and throat, and a feeling of illness.

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

No data available

**(d) Numerical measures of toxicity, acute:**

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
Acrylate oligomer	TS	Data not available	Data not available	Data not available
Acrylated Resin	TS	Data not available	Data not available	Data not available
Copper	7440-50-8	LD50,300 - 2500 mg/kg bw (rat)	LC50 (4 h) 5.11 mg/L air (rat)	LD50 2000 mg/kg bw (rat)
Aluminum	7429-90-5	LD50 15,900 mg/kg bw (rat)	LC50 (4 h) 888 mg/m <sup>3</sup> air (rat)	Data not available
Propoxylated Glyceryl Triacrylate	52408-84-1	LD50 2000 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rabbit)
Trimethylolpropane Triacrylate, Ethoxylated	28961-43-5	LD50 2000 mg/kg bw (rat)	Data not available	LD50 13,200 mg/kg bw (rabbit)
Acrylated polyol	13048-33-4	LD50 5000 mg/kg bw (rat)	LC0 (7 h) 410 mg/m <sup>3</sup> air (rat)	LD50 3650 mg/kg bw (rabbit)
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	LD50 2000 - 3200 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rabbit)
2-Hydroxy-2-methyl-1-phenyl-1-propanone	7473-98-5	LD50 1694 mg/kg bw (rat)	Data not available	LD50 6929 mg/kg bw (rat)
Zinc	7440-66-6	LD50 2000 mg/kg bw (rat)	Data not available	Data not available

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
Phosphoric acid esters, amine salt	TS	Data not available	Data not available	Data not available
Epoxy Acrylate Oligomer	55818-57-0	LD50 2000 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rat)
1-butanone, 2-(dimethylamino)-1-[4-(4-morpholinyl)phenyl]-2-(phenylmethyl)-	119313-12-1	LD50 5000 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rat)
Hexamethylene diacrylate	13048-33-4	LD50 5000 mg/kg bw (rat)	LC0 (7 h) 410 mg/m <sup>3</sup> air (rat)	LD50 3650 mg/kg bw (rabbit)
Polyester Acrylate	TS	Data not available	Data not available	Data not available
DiTrimethylolpropane Tetraacrylate	94108-97-1	LD50 5000 mg/kg bw (rat)	LC50 (7 h) 410 mg/m <sup>3</sup> air (rat)	LD50 4.7 mL/kg bw (rabbit)
Vinylester Resin	TS	Data not available	Data not available	Data not available
Neopentylglycol propoxylated diacrylate	84170-74-1	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 2 mg/L air (rat)	LD50 2000 mg/kg bw (rat)
Gans UVP-2013	TS	LD50 1470 mg/kg bw (rat)	Data not available	Data not available
Glycerol propoxylate triacrylate	TS	Data not available	Data not available	Data not available

**(e) Carcinogens information:**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as Group 1 (Carcinogenic to humans), or Group 2A (Probably carcinogenic to humans).

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP (13<sup>th</sup> Report on Carcinogens).

**OSHA:** Data not available

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**SECTION 12: ECOLOGICAL INFORMATION**

**(a) Ecotoxicity**

**Classification of mixture:** Not classified

**(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

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**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.

- Copper 7440-50-8; CERCLA RQ = 5000
- Zinc 7440-66-6 (fumes or dust); CERCLA RQ = 1000

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**SECTION 14: TRANSPORT INFORMATION**

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**US DOT (Ground):**

- (a) **UN number:** Not applicable  
(b) **UN Proper Shipping Name:** Not applicable  
(c) **Transport hazard class:** Not applicable  
(d) **Packing Group:** Not applicable  
(e) **Environmental hazards:** Not applicable  
(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:**

- Copper 7440-50-8; CERCLA RQ = 5000
- Zinc 7440-66-6 (fumes or dust); CERCLA RQ = 1000

**EPCRA Section 313 Toxic Chemicals:**

- Copper 7440-50-8
- Aluminum 7429-90-5 (fumes or dust)
- Zinc 7440-66-6 (fumes or dust)

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

**Hazardous Air Pollutants (HAP):****U.S. State Regulations**

**Pennsylvania Right to Know:** No data available

**New Jersey Right to Know:** No data available

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

**Canadian Environmental Protection Act:**

**WHMIS Classification:** No data available

**European Chemical Agency (ECHA):** No data available

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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.