

**Material Safety Data Sheet # 193**  
**For Printing Inks and related Materials**  
**OSHA Hazard Communication Standard, 29 CFR 1910.1200**

Date of preparation: 1/14/2013  
MSDS#: 193

**I. PRODUCT IDENTIFICATION**

Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033  Emergency phone: (323) 264-2200	<b>HMIS HAZARD IDENTIFICATION</b>								
	<table border="1"> <tr><td>Health</td><td>1</td></tr> <tr><td>Flammability</td><td>1</td></tr> <tr><td>Reactivity</td><td>1</td></tr> <tr><td>Personal Protection</td><td>B</td></tr> </table>	Health	1	Flammability	1	Reactivity	1	Personal Protection	B
Health	1								
Flammability	1								
Reactivity	1								
Personal Protection	B								
<b>Product Class:</b> UV Screen Coating	<b>Manufacturer's code:</b> UVS-4718 D, P								
<b>Trade Name:</b> UV Lustre Glo 2 Side Gloss Screen									

**II. HAZARDOUS INGREDIENTS**

Material	CAS #	%	Exposure Limits	Units
Tri propylene glycol diacrylate	42978-66-5 EINECS 256-032 2	10 – 28.9	OSHA / PEL	Not Established
Xi; 36/37/38. N; R51/53. R43				

**III. HEALTH HAZARD INFORMATION**

<b>Effects of Overexposure</b>
<b>Inhalation:</b> Inhalation of mist or vapor may cause irritation of respiratory system. Irritating to mucous membranes. Acute overexposure may result in irritation of the throat and lungs.
<b>Skin Contact:</b> Avoid skin contact. This product is irritating to the skin upon direct contact. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, and reddening. This condition may make the skin more susceptible to other irritants, sensitizers, and disease. Pre-existing skin conditions may make the skin more susceptible and facilitate uptake by this route.
<b>Eye Contact:</b> Avoid eye contact. Moderate irritant. This product is irritating to the eyes upon direct contact. Can cause burning sensation, tearing, swelling, and redness. Injury may persist for several days. Those known to be sensitized to acrylates should avoid all exposure to this product.
<b>Ingestion:</b> Do not ingest. May irritate the mouth, throat, and gastrointestinal tract. Severe oral intoxication will lead to intense burning of the throat and may result in drowsiness, dullness, numbness, and headache followed by dizziness, weakness, and nausea. See <i>Notes to Physician</i> section below.

**IV. FIRST AID PROCEDURES**

<b>Emergency &amp; First Aid Procedures</b>
<b>Eyes:</b> Remove contact lenses before rinsing eyes if applicable. Immediately flush eyes with large amounts of water and continue flushing for 15 minutes until irritation subsides. If irritation persists, seek medical attention.
<b>Skin:</b> Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.
<b>Inhalation:</b> Remove victim from exposure. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available. If victim is unconscious, remove to fresh air and seek immediate medical attention.

**Ingestion:** If victim is conscious, rinse nose, mouth and throat with water. Do not induce vomiting. If vomiting should occur spontaneously keep airway clear. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**Notes to Physician:** Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage, and may be fatal. Signs of lung involvement include increased respiration rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking, and gagging are often noted at the time of aspiration. Gastrointestinal discomfort may develop, followed by vomiting, with risk of aspiration.

#### V. FIRE AND EXPLOSION DATA

<b>Flash Point °F:</b> > 300 °F	<b>Auto-ignition Temperature °F:</b> No Data	
<b>Flammable Limits in Air (% Volume)</b>	<b>Lower Limit:</b> No Data	<b>Upper Limit:</b> No Data
<b>Extinguishing Media:</b> Use water fog or mist, foam, CO <sub>2</sub> , or dry chemical extinguishing media.		
<b>Special Fire Fighting Procedures:</b> Remove all ignition sources. Fire fighters should wear self-contained breathing apparatus and complete personal protective equipment when entering buildings and confined areas where this material is stored. Keep containers cool by spraying with water if exposed to fire. Product may polymerize at high temperatures. Polymerization is a highly exothermic reaction and may produce sufficient heat to cause thermal decomposition and / or rupture of container.		
<b>Unusual Fire &amp; Explosion Hazard:</b> High temperatures and fire conditions may cause rapid and uncontrollable polymerization which can result in explosions and the violent rupture of storage vessels. Uncontrolled polymerization may occur at temperatures above 140°F (60°C).		

#### VI. ACCIDENTAL RELEASE

**Steps to be taken in event of spill or release:** Use protective clothing and gloves. Remove all ignition sources, as spilled material may polymerize. Move leaking containers to ventilated area. Stop discharge, if it can be performed safely. Absorb product with a suitable material such as vermiculite, cloth or sawdust. Place in a suitable container for disposal. Dispose of in accordance to local, state and Federal regulations. Do NOT flush to sewer, drains or waterways.

#### VII. HANDLING AND STORAGE

<b>Handling and Storage:</b> Store in containers in a cool, well-ventilated area. DO NOT expose to direct sunlight, ultraviolet light or temperatures exceeding 140 °F (60°C) as it may cause uncontrollable polymerization of this product with generation of heat. Keep away from all sources of open flame, sources of ignition. Keep from freezing. Avoid prolonged contact with skin, eyes, and breathing of mist or vapor. Always wash hands and face with soap and water before eating, drinking, and smoking.
<b>Other Precautions:</b> For industrial use only. Do not ingest. Consumption of food and beverages should be avoided in work areas. Avoid discharge into the environment

#### VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Ventilation Requirements:</b> Local exhaust is recommended. Adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specific exposure or flammable limits.
<b>Personal Protective Equipment</b>
<b>Respirator:</b> 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. Do not use compressed oxygen in hydrocarbon atmospheres.
<b>Skin:</b> The use of impervious protective clothing (boots, gloves, aprons etc.) over parts of the body subject to exposure is recommended. Neoprene, Nitrile or Latex gloves are recommended. DO NOT wear PVC gloves as PVC absorbs Acrylate. Safety showers are recommended.
<b>Eye:</b> The use of eye protection is recommended. Wear plastic face shield or splash-proof safety glasses or goggles. Eye wash stations are recommended.

### IX. PHYSICAL AND CHEMICAL DATA

<b>Boiling Range °F:</b> > 220 °F	<b>Vapor Density (Air = 1):</b> No Data
<b>Relative Density (H<sub>2</sub>O = 1):</b> .997	<b>Vapor Pressure (mm Hg @ 68°F):</b> < 0.1
<b>Material Density Lbs./Gal:</b> 8.30	<b>Solubility in Water:</b> Insoluble
<b>% Volatile Organic Compounds (VOC) by Weight:</b> 0	<b>% Solids by Weight:</b> 100
<b>VOC: lbs/gal:</b> 0 <b>g/L:</b> 0	<b>Appearance/Odor:</b> Colorless Liquid

### X. STABILITY AND REACTIVITY INFORMATION

<b>Stability (Thermal, Light, etc.):</b> Stable under the prescribed storage conditions.	<b>Conditions to avoid:</b> Open flame, heat, sources of ignition. temperatures above 140 °F (60°C). Keep from freezing.. Direct sunlight, ultraviolet light.
<b>Hazardous Polymerization:</b> Hazardous exothermic polymerization can occur when heated, or when exposed to direct sunlight.	<b>Materials to avoid:</b> Avoid contact with strong oxidizers, other metals or alloys.
<b>Hazardous Decomposition Products:</b> CO <sub>2</sub> , CO, and other oxides may be generated as products of combustion.	

### XI. TOXICOLOGICAL INFORMATION

<b>CARCINOGEN:</b> This product has not been identified as a carcinogen by OSHA or the National Toxicology Program (NTP), or the International Agency for Research Cancer (IARC).	
<b>Mutagen:</b>	No Data
<b>Teratogen:</b>	No Data
<b>Reproductive Toxicity:</b>	No Data
The toxicological properties have not fully been determined.	
Xi: Irritant	
R36/ 37/38: Irritating to eyes, respiratory system and skin.	
R43: May cause sensitization by skin contact..	

### XII. ECOLOGICAL INFORMATION

Do Not allow product to enter waterways, drains or sewers.
R 51/ 53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

### XIII. DISPOSAL INFORMATION

<b>Waste Disposal Method:</b> 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.
Do Not allow runoff to sewer, waterways or ground.

### XIV. TRANSPORT INFORMATION

<b>Flammability Classification:</b>	
<b>OSHA:</b>	Class III B
<b>DOT (Ground):</b>	Not Regulated
<b>UN Number:</b>	Not Applicable
<b>ADR/ RID:</b>	Not Applicable
<b>IMDG (Sea):</b>	Not Regulated
<b>IATA (Air):</b>	Not Regulated

### XV. REGULATORY INFORMATION

<b>SARA Title III Section 313:</b> This material does Not contain chemical(s) subject to the reporting requirements of the SARA Superfund
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Amendments and Reauthorization Act.

**TSCA Section 8(b) Inventory Status:**

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

**U.S. State Regulations**

**California Proposition 65:**

This product does not intentionally contain any chemicals known by the state of California to cause cancer and/or reproductive harm. Moreover, Gans Ink and Supply Co., Inc. does not routinely analyze its products for impurities which may be such chemicals.

**XVI. 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.

**B**

Safety Glasses  
Gloves

