

Material Safety Data Sheet # 224
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

Date of preparation: 6/12/2013
 MSDS #: 224

I. PRODUCT IDENTIFICATION

Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033 Emergency phone: (323) 264-2200	HMIS HAZARD IDENTIFICATION								
	<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								
Product Class: UV Coating	Manufacturer's code: UVS- 4719 D, P								
Trade Name: LustreGlo UV Matte SCR N TOPKOT									

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
(1-Methyl-1,2ethanediyl)bis [oxy(methyl-2-ethanediyl)] diacrylate	42978-66-5	9 - 29.9	OSHA / PEL ACGIH / TLV Xi, R36/37/38 N;R51/53 R43	Not Established Not Established
EC No 256-032-2				

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: Avoid inhalation of mist or vapor. Inhalation of mist or vapor may cause irritation of respiratory tract system.
Skin Contact: Avoid skin contact. Contains materials that cause skin irritation and/or sensitization. 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. Individuals with pre-existing skin disorders can be at greater risk. Those known to be sensitized to acrylates should avoid all exposure to this product.
Eye Contact: Avoid eye contact. Moderate irritant. Can cause burning sensation, tearing, swelling and redness. Individuals with pre-existing eye disorders can be at greater risk. Those known to be sensitized to acrylates should avoid all exposure to this product.
Ingestion: 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

Emergency & First Aid Procedures
Eyes: Remove contact lenses before rinsing. Immediately flush eyes with large amounts of water or eyewash solution and continue flushing for 15 minutes seek medical attention.
Skin: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water for 15 minutes. If redness or irritation occurs, seek medical attention.
Inhalation: If mist or exposure is generated when the material is heated or handled, 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 medical attention.
Ingestion: Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit does not enter the lungs. 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

Flash Point °F: > 300 °F		Auto-ignition Temperature °F: Not Applicable
Flammable Limits in Air (% Volume)	Lower Limit: Not Applicable	Upper Limit: Not Applicable
Extinguishing Media: Use water spray, fog or mist, CO ₂ , or dry chemical extinguishing media. Special Fire Fighting Procedures: Remove all ignition sources. Fire fighters wear self contained breathing apparatus and complete protective equipment when entering confined areas. Fight fire from a safe distance or protected location if it can be done safely. Water can be used to cool containers exposed to heat or flame. Move container from fire if it can be done without risk. Unusual Fire & Explosion Hazard: High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels.		

VI. ACCIDENTAL RELEASE

Steps to be taken in event of spill or release: Remove all ignition sources, as spilled material may polymerize. Move leaking containers to a ventilated area. Stop discharge if it can be performed safely and contain material. Dike for water control. Absorb with an inert material such as vermiculite, clay, sand etc. and place in a suitable container for disposal. Do not allow any environmental contamination. DO NOT FLUSH TO SEWER. Keep run-off water out of sewers and water courses.

VII. HANDLING AND STORAGE

Handling and Storage: Store in tightly closed containers, in a cool, well-ventilated area. Store away from heat, open flame, and oxidizing materials. Protect from freezing and direct sunlight. Avoid prolonged contact with skin, eyes, and breathing of mist or vapor. Consumption of food and beverages should be avoided in work areas.

Other Precautions: For industrial use only. Do not ingest.. Always wash hands and face with soap and water before eating, drinking, and smoking.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation Requirements: Adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specific exposure or flammable limits.

Personal Protective Equipment

Respirator: When exposed to aerosols or vapors, use full face organic vapor cartridge respirator with particulate pre-filter. In emergency situations, or when used in a confined space, use self-contained breathing apparatus or other air-supplied full face respirator. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmospheres.

Skin: Impervious gloves (neoprene) are recommended. A combination barrier cream, applied before exposure and gloves are recommended. DO NOT APPLY CREAM AFTER EXPOSURE. Safety showers are recommended.

Eye: 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

Boiling Range °F: > 220°F	Vapor Density (Air = 1): No Data
Relative Density (H₂O = 1): .997	Vapor Pressure (mm Hg @ 68°F): < 1
Material Density Lbs./Gal: 8.30	Solubility in Water: Insoluble
% Volatile Organic Compounds (VOC) by Weight: 0	Evaporation Rate: No Data
VOC: lbs/gal: 0 g/L: 0	Appearance/Odor: Slight Acrylic Viscous Liquid

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable under prescribed storage conditions.	Conditions to avoid: Excessive heat, high temperatures, exposure to direct sunlight.
Hazardous Polymerization: High temperatures (>104°F) and oxygen deficient atmosphere reduce inhibitor effectiveness and may cause polymerization, thereby raising the temperature and pressure, possibly rupturing the container.	Materials to avoid: Avoid contact with strong oxidizing agents, metals or alloys.
Hazardous Decomposition Products: None under normal conditions.	

XI. TOXICOLOGICAL INFORMATION

CARCINOGEN: 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).	
Mutagen:	No Data
Teratogen:	No Data
Reproductive Toxicity:	No Data
The toxicological properties have not been fully determined. Product is irritating to eyes, and skin, prolonged contact can result in sensitization.	

XII. ECOLOGICAL INFORMATION

R 51/ 53: Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment. As with all chemicals and products, Do Not allow product to enter waterways, sewers or drains.
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XIII. DISPOSAL INFORMATION

<p>Waste Disposal Method: If discarded in its original unused form, this product DOES NOT exhibit the characteristics of a RCRA hazardous waste as defined under 40CFR261. If this product has fully polymerized into a solid, it can be considered to be inert and therefore can be disposed of as non-hazardous waste.</p> <p>Waste materials should be dumped or buried in an approved landfill or incinerated in a suitable combustion chamber at a licensed facility in accordance with local, state, and federal regulations.</p> <p>Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability:</p> <ol style="list-style-type: none"> 1) Recycle or rework if at all feasible 2) Incinerate at an authorized facility 3) Treat at an acceptable waste treatment facility. 4) Packaging should be collected for reuse. <p>Do Not allow runoff to enter sewer, waterway or ground.</p>

XIV. TRANSPORT INFORMATION

Flammability Classification:	Not applicable
OSHA:	Class III B
DOT Shipping Name (Ground):	Not Regulated
DOT Label:	Not Applicable
DOT Identification Number:	Not Applicable
ADR CLASS:	Not Applicable
RID CLASS:	Not Applicable
IMDG / IMO (Sea):	Not Applicable
IATA/ ICAO (Air):	Not Applicable
This product is not regulated by international regulations on the transport of dangerous goods. (IMDG, IATA, ADR/ RID).	

XV. REGULATORY INFORMATION

SARA Title III Section 313:

Section 313 – Toxic chemicals: This product does not contain any component(s) listed on the Section 313 Toxic Chemical List. (40 CFR 372.65).

Section 302 – Extremely Hazardous Substances: This product Does Not contain any ingredient that is regulated under Section 302 (40 CFR 355) as an “Extremely Hazardous Substance”.

Section 311/312 – Hazard Categories: Pursuant to Section 311/312 of SARA Title III, the physical and health hazard categories for this product are identified below:

Fire Hazard – NO
Sudden Release of Pressure Hazard – NO
Reactivity Hazard – YES
Immediate (acute) Health Hazard – YES
Delayed (chronic) Health Hazard – YES

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

R Phrases:

R36/37/38: Irritating to eyes, respiratory system and skin.

R43: May cause sensitization by skin contact.

R52/53: Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

S Phrases:

S24: Avoid contact with skin.

S37: Wear suitable gloves.

Xi: Irritant

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

