

Material Safety Data Sheet # 359
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

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 MSDS#: 359

I. PRODUCT IDENTIFICATION

Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033 Emergency phone: (323) 264-2200	<p align="center">HMIS HAZARD IDENTIFICATION</p> <table border="1"> <tr> <td>Health</td> <td>2</td> </tr> <tr> <td>Flammability</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>B</td> </tr> </table>	Health	2	Flammability	1	Reactivity	0	Personal Protection	B
Health	2								
Flammability	1								
Reactivity	0								
Personal Protection	B								
Product Class: Plastisol Screen Inks	Manufacturer's code: G018068, X103106, Various								
Trade Name: Plastisol Screen Photochromic Textile Ink									

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Diocetyl terephthalate	6422-86-2	40- 45	OSHA/PEL	Not Established
	EINECS 229-176-9		OSHA/ TWA	Not Established
			ACGIH TLV/ TWA	Not Established
			ACGIH / STEL	Not Established
2,2,4-Trimethyl-1,3-Pentenediol diiso-butyrate	6846-50-0	7 – 9	OSHA/PEL	Not Established
	EINECS 229-934-9		OSHA/ TWA	Not Established
			ACGIH TLV/ TWA	Not Established
			ACGIH / STEL	Not Established

This product is considered **Non-Hazardous** by definition of OSHA Hazard Communication Standard 29 CFR 1910.1200.

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: Avoid inhalation. Prolonged exposure may cause irritation. Fumes formed at elevated temperatures may be irritating to lungs and throat if inhaled.
Skin Contact: Avoid skin contact. This product may cause skin irritation. Prolonged exposure may cause moderate skin irritation. 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. Wash thoroughly after handling.
Eye Contact: Avoid eye contact. This product may cause irritation to the eyes upon direct contact.
Ingestion: Do not ingest. Not likely to be toxic but may cause irritation of the mouth, throat and stomach. See Notes to Physician section below.

IV. FIRST AID PROCEDURES

Emergency & First Aid Procedures

Eyes: Immediately flush eyes with large amounts of water and continue flushing for 15 minutes. Seek Immediate medical attention.
Skin: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention. Wash clothing before reuse.
Inhalation: Remove victim from exposure. If breathing has stopped or is irregular, administer artificial respiration. If victim is unconscious, remove to fresh air and seek medical attention.
Ingestion: Do Not induce vomiting. Seek immediate medical attention. Never give liquids 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: 400 °F (204°C) TCC	Auto-ignition Temperature °F: No Data	
Flammable Limits in Air	Lower Limit: No Data	Upper Limit: No Data
Extinguishing Media: Use alcohol foam or all purpose type foam, CO ₂ , or dry chemical extinguishing media. Water is an unsuitable extinguishing media.		
Special Fire Fighting Procedures: Firefighters wear self contained breathing apparatus and full protective clothing. Closed containers may explode when exposed to extreme heat. Vapors may be irritating to eyes, skin and the respiratory tract.		
Unusual Fire & Explosion Hazard: Combustible. Do not use near open flame or other sources of ignition.		
Products of Combustion: Dense smoke may be generated while burning; carbon dioxide, carbon monoxide, and other oxides may be generated as products of combustion.		

VI. ACCIDENTAL RELEASE

Steps to be taken in event of spill or release: Ventilate area. Wear protective clothing, eye goggles or glasses and gloves. Absorb spills immediately with inert materials such as vermiculite, sand, or dirt. Scrape up with trowel or scoop and place in a suitable container. DO NOT allow to enter drains, sewers or waterways. Dispose of in accordance with local, state, and federal regulations.
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VII. HANDLING AND STORAGE

Handling and Storage: Store in closed containers in a cool, dry well ventilated area. Do Not store near open flame, heat, sparks. Avoid direct sunlight and UV light. Store below 80 °F. Keep containers closed when not in use. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Wash thoroughly after handling.
Other Precautions: For industrial use only. Do not ingest. Consumption of food and beverages should be avoided in work areas. Always wash hands and face with soap and water before eating, drinking, and smoking.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation Requirements: Local exhaust is necessary. General mechanical ventilation is acceptable. Adequate ventilation in accordance with good engineering practice must be provided.
Personal Protective Equipment
Respirator: 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.
Skin: Use appropriate chemical resistant gloves and protective clothing or apron over parts of the body subject to exposure. Neoprene gloves are recommended. Safety showers or wash – up facilities are recommended. Use good personal hygiene practices.
Eye: Eye protection is recommended. Mono-goggles or splash-proof safety glasses or goggles. Eye wash stations recommended.

IX. PHYSICAL AND CHEMICAL DATA

Boiling Range °F: No Data	Vapor Density (Air = 1): No Data
Relative Density (H₂O = 1): 0.85 - 1.08	Vapor Pressure (mm Hg @ 68°F): No Data
Material Density Lbs./Gal: 7.08 – 8.99	Solubility in Water: Insoluble
%Volatiles by Weight: < 1.0	Evaporation Rate: Not available pH: Not applicable
VOC: lbs/gal: < .090 g/L: < 10.0	Appearance/Odor: Colored paste / Oil odor

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable	Conditions to avoid: Keep away from all sources of open flame, heat, sparks and all sources of ignition. Avoid direct sunlight and UV light.
Hazardous Polymerization: Will not occur.	Materials to avoid: May react with strong oxidizing agents.
Hazardous Decomposition Products: CO ₂ , CO, and other oxides may be generated as products of combustion.	

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
Laboratory Data with Relevance to Human Health Hazard Evaluation: None currently known.	

XII. ECOLOGICAL INFORMATION

May be harmful to aquatic organisms. As with all chemicals and products, DO Not allow to enter sewers, waterways or drains.

XIII. DISPOSAL INFORMATION

Waste Disposal Method: 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.
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XIV. TRANSPORT INFORMATION

Flammability Classification:	Combustible
OSHA:	Class III B
US DOT (Ground):	Not Regulated
IATA / ICAO (Air):	Not Regulated
IMO / IMDG (Sea):	Not Regulated
TDG (Canada):	Not Regulated

XV. REGULATORY INFORMATION

SARA Title III Section 313 Reporting requirements of the SARA Superfund Amendments and Reauthorization Act.

No Data

SARA Section 311/312 – Hazard Communication Standard (HCS):

No Data

SARA Section 302 - Extremely Hazardous Substances (EHS):

No Data

SARA Section 304 – CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):

Reportable Quantity: Not applicable

International Inventory Status:

All components are in compliance with the following inventories:

United States (TSCA): Included
Canada (DSL): Included
Europe (EINECS): Included
Japan (ENCS): Not determined
Australia (AICS): Not determined
Korea (ECL): Not determined
Philippines (PICCS): Not determined
China (IECS): Not determined

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. assume 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

