

Material Safety Data Sheet # 351
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

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 MSDS #: 351

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	
	Health	1
	Flammability	0
	Reactivity	0
	Personal Protection	C
Product Class: Water based extender for Flexo Inks	Manufacturer's code: V-5189	
Trade Name: Extender		

II COMPOSITION / INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Water	7732-18-5	78.0		
Ethyl acrylate	140-88-5	≤0.06	OSHA/ PEL	25 ml/m3
			OSHA / TWA ; (skin)	100 mg/m3
			OSHA/ STEL ;	100mg/m3
			ACGIH TLV/ ;	5ml/m3 ; 20 mg/m3
			ACGIH / TWA;	15ml/m3
			ACGIH / STEL	61mg/m3 15 min.
* Acrylic copolymer		22.0		
* The specific chemical identity (including CAS No.) and / or specific concentrations of the constituents contained in this vehicle are regarded as "Trade Secret" information.				

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: Avoid inhalation. Slightly toxic if inhaled. Acute overexposure may result in irritation of the throat and lungs and respiratory tract. Chronic exposure to high concentrations of aerosols or mists to laboratory animals has resulted in non-specific symptoms related to the nervous system, gastrointestinal tract, and lungs.
Skin Contact: Avoid skin contact. Slightly toxic if absorbed through the skin. 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.
Eye Contact: Avoid eye contact. This product is moderately irritating to the eyes upon contact.
Ingestion: Do not ingest. Ingestion of small quantities is usually nonfatal unless aspiration occurs. 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. Loss of consciousness and convulsions followed by death may result. 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 until

irritation subsides. If irritation persists, seek medical attention. Removal of Contact lenses recommended.
Skin: Remove contaminated clothing This material can be removed with water. If redness or irritation occurs, seek medical attention. Wash contaminated clothing before reusing.
Inhalation: This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions. 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: Immediate first aid is not likely to be required, if in doubt seek medical attention.
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: Non Flammable 0	Auto-ignition Temperature °F: 428 ASTM E-659	
Flammable Limits in Air	Lower Limit: No Data	Upper Limit: No Data
Extinguishing Media: Use water fog, foam, CO ₂ , or dry chemical extinguishing media.		
Special Fire Fighting Procedures: Water may be ineffective, but can be used to cool containers exposed to heat or flame.		
Unusual Fire & Explosion Hazard: Dense smoke may be generated while burning; carbon dioxide, carbon monoxide, and other oxides may be generated as products of combustion.		
Fire fighters and others exposed, wear self- contained breathing apparatus. Equipment should be thoroughly decontaminated after use.		

VI. ACCIDENTAL RELEASE

Steps to be taken in event of spill or release: Keep out of drains and waterways. Contain large spills with dikes and transfer of material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and place in a chemical waste container. Flush spills with water. Wearing chemical goggles and gloves recommended.
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VII. HANDLING AND STORAGE

Handling and Storage: Store in containers in a cool, well-ventilated area. Stable under normal conditions of handling and storage Wash hands thoroughly after handling. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor. Empty containers retain vapor and product residue. Observe all recommended safety precautions until container is cleaned, reconditioned or destroyed. The reuse of this material's container for non- industrial purposes is prohibited and any reuse must be in consideration of the data provided in this material safety data sheet.
Other Precautions: For industrial use only. Do not ingest. Consumption of food and beverages should be avoided in work areas where hydrocarbons are present.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation Requirements: Provide natural or mechanical ventilation to minimize exposure. If practical, use local mechanical exhaust ventilation at source of air contamination such as processing equipment.
Personal Protective Equipment
Respirator: Respiratory protection is not required under conditions of normal use. Avoid breathing vapor or mist. All respirators must be NIOSH certified. Use approved respiratory protection equipment when airborne exposure is excessive.
Skin: Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Protective gloves are recommended.
Eye: Use approved chemical goggles. Have eye flushing equipment available.

IX PHYSICAL AND CHEMICAL DATA

Boiling Range °F: 212 °F	Vapor Density (Air = 1): N/A
Relative Density (H₂O = 1): 1.04	Vapor Pressure (mm Hg @ 70°F): N/A
Material Density Lbs./Gal: 8.68	Solubility in Water: Soluble
% Volatiles by Weight: 0.1	pH: 8 – 8.5
VOC: Lbs/Gal: 0.01 max. g/L: 1.0	Appearance/Odor: White Liquid/ sweet odor

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable	Conditions to avoid: None Known
Hazardous Polymerization: Will not occur.	Materials to avoid: Contac with acids and alkalis.
Hazardous Decomposition Products: CO ₂ , CO, smoke, soot may be generated as products of combustion.	

XI. TOXICOLOGICAL INFORMATION

CARCINOGEN: This product has been Listed as Group 2B “possibly carcinogenic to humans” by the International Agency for Research Cancer (IARC).	
Mutagen:	No Data
Teratogen:	No Data
Reproductive Toxicity:	No Data

XII. ECOLOGICAL INFORMATION

This product has not been evaluated at this time.

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. This material when discarded is not a hazardous waste as the term is defined by the Resource Conservation and Recovery Act (RCRA), 40 CFR261. This product should not be dumped, spilled, rinsed or washed into sewers or public waterways.

XIV. TRANSPORT INFORMATION

Flammability Classification: OSHA: Class III B DOT: Not Regulated DOT Shipping Name: Not Regulated UN/ NA Number: None DOT (Non Bulk): Not Regulated UN/NA Number: None Hazard Classification: None Air Transportation (ICAO/ IATA): Proper Shipping Name: Not Regulated UN Number: None Hazard Classification: None Maritime Transport (IMO): Proper Shipping Name: Not Regulated UN / ID Number: None Hazard Classification: None Canadian (TDG): Not Regulated

XV. REGULATORY INFORMATION

SARA Title III Section 313:

This material Does Not contain chemicals subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.

HAP Hazardous Air Pollutants (Clean Air Act)

Ethyl acrylate	140-88-5	< 0.06
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OSHA: This material is defined as Hazardous by the OSHA Hazard Communication Standard CFR 1910.1200

Ethyl acrylate	140-88-5	< 0.06
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TSCA Section 8(b) Inventory Status:

All component(s) of this product are in compliance with the TSCA Inventory.

All component(s) of this product are in compliance with the following inventories:

Canadian Domestic Substance List **DSL**

European Inventory of Existing Commercial Chemical Substances **EINECS**

Australian **AICS**

Korea Existing Chemical List **ECL**

Other chemical inventory information: The polymer contained within this product is exempt from listing in the European Inventory. The monomers used to manufacture this polymer are listed as required, as are all other components of this product.

CERCLA Reportable Quantity:

Not applicable

U.S. State Regulations

California Proposition 65:

This product contains a chemical known by the state of California to cause cancer.

<u>Chemical</u>	<u>CAS #</u>	<u>%</u>
Ethyl acrylate	140-88-5	< 0.06

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.