

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>0</td></tr> <tr><td>Reactivity</td><td>0</td></tr> <tr><td>Personal Protection</td><td>B</td></tr> </table>	Health	1	Flammability	0	Reactivity	0	Personal Protection	B
Health	1								
Flammability	0								
Reactivity	0								
Personal Protection	B								
Product Class: Aqueous Coating	Manufacturer's code: S-1897 D								
Trade Name: WB Gloss Coating 508-2									

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Sodium Dioctylsulfosuccinate	577-11-7	1 – 5	OSHA PEL ACGIH TLV/ TWA ACGIH / STEL	NE NE NE
Isopropyl Alcohol	67-63-0	1 – 3	OSHA PEL ACGIH TLV/TWA ACGIH / STEL	400 ppm 200 ppm 400 ppm
Ammonium Hydroxide	1336-21-6	0 – 1	OSHA PEL ACGIH TLV/TWA ACGIH/ STEL	50 ppm 25 ppm 35 ppm

NE: Not Established

The amount of Ammonium Hydroxide reported in Section 2 is calculated to be excess neutralizer after creation of the polymer solution.

The components listed above are identified as hazardous chemicals based upon the criteria of the OSHA Hazard Communication Standard (29CFR 1910.1200).

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: Inhalation is an unlikely route of exposure. Under conditions of intended use. Higher temperatures may generate vapors that may cause irritation of the respiratory tract. No chronic health hazards are associated with the components present in this product.
Skin Contact: Avoid skin contact. Skin contact is expected to be the primary route of occupational exposure. 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 may be mildly irritating to the eyes upon direct contact. Symptoms may include stinging, tearing, redness, swelling and /or burning. Exposure to high concentrations of vapors may be irritating to the eyes.

Ingestion: Do not ingest. Ingestion is an unlikely route of exposure under conditions of intended use. Deliberate ingestion of excessive quantities may be harmful. See *Notes to Physician* section below.

IV. FIRST AID PROCEDURES

Emergency & First Aid Procedures

Eyes: Immediately flush eyes with large amounts of water for 15 minutes, lifting upper and lower lids occasionally. If irritation or redness persists, seek medical attention.

Skin: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. Solvents should not be used to clean skin because of increased penetration potential. Seek immediate medical attention if irritation persists. Wash clothing and thoroughly clean shoes before reuse.

Inhalation: Move to fresh air and seek immediate medical attention.

Ingestion: Do not induce vomiting. Seek immediate medical attention. Never give by mouth anything to an unconscious person. Rinse mouth and give plenty of water.

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.

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

V. FIRE AND EXPLOSION DATA

Flash Point °F: > 200 °F (Closed Cup)	Auto-ignition Temperature °F: No Data	
Flammable Limits in Air (% Volume)	Lower Limit: No Data	Upper Limit: No Data
Extinguishing Media: Use water spray, foam, or dry chemical extinguishing media.		
Special Fire Fighting Procedures: The use of self-contained breathing apparatus is recommended for firefighters. Cool containers and use caution when approaching or handling fire-exposed containers. Water 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 of nitrogen and sulfur may be generated as products of combustion. The container may burn and leak in the heat of a fire.		

VI. ACCIDENTAL RELEASE

Steps to be taken in event of spill or release: Keep unnecessary personnel away from spill area. Ventilate area of spill. Use appropriate personal protective equipment. Soak up small spill with inert material such as vermiculite, sand, clay etc. (If large spill dike area). Scrape up with trowel or scoop and place in a suitable container for disposal. Dispose of material in accordance with local, state, and federal regulations. Wash spill area with strong detergent and water. Keep all materials out of drains, sewers or waterways.

VII. HANDLING AND STORAGE

Handling and Storage: Use and store containers, in a cool, well-ventilated area. Keep containers closed after each use. Keep away from sources of ignition. Take precautionary measures against static discharges. The slight ammonia smell can become stronger if the coating will be heated higher than room temperatures. It is recommended that containers of these products be stored at temperatures between 40 °F and 115 °F (4.5°C- 45 °C). Protect from freezing. Always wash hands and face with soap and water before eating, drinking, and smoking.

Other Precautions: For industrial use only. Do not ingest. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor. Consumption of food and beverages should be avoided in work areas where hydrocarbons are present

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation Requirements: Provide adequate general and / or local exhaust ventilation. If vapor or mist is

generated when the material is heated or handled, 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: Respiratory protection is not required under conditions of intended General room ventilation is adequate 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 / MSHA certified. Do not use compressed oxygen in hydrocarbon atmospheres.

Skin: Use impervious gloves when handling. Use a chemical resistant apron or protective clothing if a splash hazard exists. Provide readily accessible safety showers.

Eye: Eye protection is required under conditions of normal use. Wear full face shield or splash-proof safety glasses or goggles. Eye protection should meet the specifications of ANSI Z87.1 Provide readily accessible eye wash stations.

IX. PHYSICAL AND CHEMICAL DATA

Boiling Range °F: 212 °F	Vapor Density (Air = 1): Not available
Relative Density (H₂O = 1): 1.045	Vapor Pressure (mm Hg @ 68°F): No Data
Material Density Lbs./Gal: 8.70	Evaporation Rate: Not available
% Volatile Organic Compounds (VOC) by Weight: 3.79	Solubility in Water: Soluble pH: 8.7± 0.7
VOC: lbs/gal: 0.33 g/L: 39.6	Appearance/Odor: Milky white liquid / Slight Ammonia odor

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Normally stable under conditions of storage and intended use.	Conditions to avoid: Avoid excessive heat (> 140 °F) and sources of ignition. Avoid storage below 40 F (4.5°C) and above 115 °F (45°C).
Hazardous Polymerization: Will not occur.	Materials to avoid: Avoid contact with strong acids.
Hazardous Decomposition Products: CO ₂ , CO, smoke and oxides of nitrogen may be generated as products of combustion.	

XI. TOXICOLOGICAL INFORMATION

CARCINOGEN: This product contains no listed carcinogens according to OSHA, ACGIH, NTP (National Toxicology Program) or IARC, (International Agency for Research Cancer) in concentrations of 0.1 percent or greater.

Mutagen: No Data

Teratogen: No Data

Reproductive Toxicity: No Data

Information pertaining to the health effects and toxicity of the “pure” form of the hazardous components identified in Section 2 is presented below. The information reflects the known hazards associated with the component and may not reflect that of the purchased material due to concentration (dilution) effects. Review and interpretation by your Hazard Communication Department is recommended.

Sodium Dioctylsulfosuccinate

Oral: LD50 (rat): 1900 mg/kg

Draize Test, Skin (rabbit): 10 mg/24 H Moderate

Draize Test, eye (rabbit): 1 % Severe

Inhalation: No information available

Isopropyl Alcohol

Oral (rat): LD50: 5045 mg/kg

Skin Irritant (rabbit): LD50: 5030-7900 mg/kg

Eye Irritant: No information available

Inhalation (rat):	LC50: 1600 ppm, 4h
Ammonium Hydroxide	
Oral (rat):	LD50: 350mg/kg
Skin Irritant (rabbit):	Severe irritant
Eye Irritant (rabbit):	Severe irritant
Carcinogenicity:	Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA

XII. ECOLOGICAL INFORMATION

Information pertaining to the ecological fate of the “pure” form of the hazardous components identified in Section 2 is presented below. This information reflects the known hazards associated with the components and may not reflect that of the purchased material due to concentration (dilution) effects. Review and interpretation by your Hazard Communication Department is recommended.

Sodium Dioctylsulfosuccinate

No information available

Isopropyl Alcohol

No information available

Ammonium Hydroxide

Fish: Rainbow trout: LC50: 0.008 mg/L; 24hr
 Fish: Fathead minnow: LC50: 8.2 mg/ L; 24 hr
 Water Flea: Daphnia: EC50: 0.66 mg/L; 48hr

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. Do not introduce this product directly into the public sewer systems.

Since emptied containers may retain product residues, all hazard precautions given in this data sheet should be observed.

XIV. TRANSPORT INFORMATION

Flammability Classification:	
OSHA:	Class III B
US DOT Proper Ship Name (ground):	Resin compounds, liquid
Class	Not applicable
UN ID	Not applicable
Packing Group:	Not applicable
IMDG Proper Ship Name (ocean):	Resin compounds, liquid
Class	Not applicable
UN ID	Not applicable
Packing Group:	Not applicable
ICAO / IATA Proper Ship Name (air):	Resin compounds, liquid
Class	Not applicable
UN ID	Not applicable
Packing Group:	Not applicable
TDG Proper Ship Name (ground):	Resin compounds, liquid
Class	Not applicable
UN ID	Not applicable
Packing Group:	Not applicable

XV. REGULATORY INFORMATION

SARA Title III Section 313:

This material contains the following chemicals in quantities which must be reported under the supplier notification requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986:

<u>Chemical Name</u>	<u>CAS #</u>
Ammonium Hydroxide	1336-21-6

CERCLA Reportable Quantities

Components present which could require reporting under CERCLA 40 CFR 302.4

<u>Chemical Name</u>	<u>CAS#</u>	<u>CERCLA RQ</u>
Ammonium Hydroxide	1336-21-6	1,000 LBS.

Clean Air Act Amendment (HAPs)

This product does not contain any chemicals which are defined as Hazardous Air Pollutants under Title III of the Clean Air Act Amendments of 1990.

Toxic Substance Control Act (TSCA Section 8(b) Inventory Status:

The chemical components of this product are listed or have been registered for inclusion on the Section 8 (B) Chemical Substance Inventory List (40 CFR 710).

CONEG

This product is certified to be in full compliance with CONEG Model Toxics Legislation for packaging and packaging components.

U.S. State Regulations

California Proposition 65:

This product does not 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.

Canadian WHMIS Classification

Components present listed in the WHMIS hazardous ingredient disclosure list:

<u>Chemical Name</u>	<u>CAS#</u>
Ammonium Hydroxide	1336-21-6

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

