

Material Safety Data Sheet # 371
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

Date of preparation: 08-19-08
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 MSDS# 371

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 Gloss Coating	Manufacturer's code: S-1898								
Trade Name: WB Coating, LC Gloss W&T AQ-703									

II. COMPOSITION / INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Ammonia Hydroxide	1336-21-6	0 - 1	ACGIH TWA / TLV ACGIH STEL OSHA / PEL	25 ppm 35 ppm 50 ppm
Sodium Dioctylsulfosuccinate	577-11-7	1 - 5	ACGIH TWA/ TLV ACGIH STEL OSHA PEL	NE NE NE

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

* NE = Not Established

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: Inhalation is an unlikely route of exposure under conditions of intended use. Higher temperatures may generate Inhalation of vapors or mists may cause irritation of the eyes, respiratory tract, nose and throat. 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. Prolonged or repeated contact with skin may cause mild irritation. Symptoms may include, redness, itching, drying and cracking of skin. Avoid prolonged or repeated contact with the skin.
Eye Contact: Avoid eye contact. This product may cause irritation to the eyes. Exposure to high concentrations of vapors may be irritating to the eyes. Symptoms may include stinging, tearing, redness, swelling and / or burning.
Ingestion: Do not ingest. Ingestion is an unlikely route of exposure under conditions of intended use. Deliberate ingestion of excessive quantities may be harmful. One or more components of this product are toxic when swallowed. Symptoms of toxicity include: Irritation of the digestive tract, drowsiness, dizziness, loss of coordination, fatigue, possible blood disorders, and kidney and liver damage. One or more components of this product is an aspiration hazard and can enter lungs during swallowing or vomiting and cause lung inflammation or damage. . See <i>Notes to Physician</i> 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, lifting upper and lower lids occasionally. Seek medical attention if irritation or redness persists.
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 redness or irritation persists. Wash clothing and thoroughly clean shoes before reuse.
Inhalation: If breathing has stopped or is irregular, remove to fresh air, administer artificial respiration and supply oxygen if it is available. Seek immediate medical attention. If victim is unconscious, seek immediate medical attention.
Ingestion: DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth and then drink plenty of water. Seek immediate 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. Treat according to symptoms (decontamination, vital functions) no known specific antidote.

V. FIRE AND EXPLOSION DATA

Flash Point °F: >200 (Closed Cup)	Auto-ignition Temperature °F: No Data	
Flammable Limits in Air	Lower Limit: No Data	Upper Limit: No Data
Extinguishing Media: Water spray, foam, dry extinguishing media may be used as an extinguishing medium.		
Special Fire Fighting Procedures: The use of self- contained breathing apparatus is recommended for fire fighters. Cool containers and use caution when approaching or handling fire exposed containers.		
Unusual Fire & Explosion Hazard: The container may burn and leak in the heat of the fire.		

VI. ACCIDENTAL RELEASE

Steps to be taken in event of spill or release: Ventilate area. Keep unnecessary personnel away from spill. Use appropriate personal protective equipment. Stop and/ or contain discharge. Clean up and cover with absorbent material. Dispose of material in appropriate container. Keep out of waterways, sewers and drains.

VII. HANDLING AND STORAGE

Handling and Storage: Store in containers in a cool, well-ventilated area. The slight ammonia smell can become stronger if the coating will be heated higher than room temperature. It is recommended that containers of this product be stored at temperatures between 40 F and 115 F (4.5C- 45C). Keep away from sources of ignition. Take precautionary measures against static discharge. Protect from freezing.. Warm to room temperature before using. Product may congeal or stratify if cold. Mix well before using. Close container after each use. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor.
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: 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. Use with local exhaust ventilation.
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. Respiratory protection is not required under conditions of normal use. General room ventilation is adequate.
Skin: For exposures, use impervious synthetic rubber gloves when handling. Wear protective clothing, use a chemical resistant apron. Readily accessible safety showers are recommended.
Eye: Use approved eye protection to safeguard against potential eye contact, irritation and injury. If material is handled such that it could be splashed into eyes, wear plastic face or splash-proof safety goggles, safety

glasses or face shield. Readily accessible eye wash stations are recommended.

IX. PHYSICAL AND CHEMICAL DATA

Boiling Point °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: 8.70	Solubility in Water: Soluble
% Volatiles by Weight: 0.69	Evaporation Rate: N/A pH: 9.4
VOC: lbs/gal: 0.06 g/L: 7.19	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 (115 F - 140 F) and sources of ignition. Avoid storage below 40 F (4.5C). Product may congeal or stratify (form layers) if cold.
Hazardous Polymerization: Will not occur.	Materials to avoid: Keep away from strong oxidizers and acids
Hazardous Products of Combustion: Carbon monoxide (CO); carbon dioxide, oxides of nitrogen and sulfur.	

XI. TOXICOLOGICAL INFORMATION

CARCINOGEN: This product contains no listed carcinogens according to OSHA, ACGIH, National Toxicology Program (NTP), or the International Agency for Research Cancer (IARC) in concentrations of 0.1 percent or greater. .	
Mutagen:	No Data
Teratogen:	No Data
Reproductive Toxicity:	No Data
This information reflects the known hazards associated with the component (s) and may not reflect that of the purchased material due to the concentration (dilution) effects.	
Sodium Dioctylsulfosuccinate	
Oral:	LD50: 1900 mg/kg (rat)
Draize Test, Skin:	10 mg/24H Moderate (rabbit)
Draize Test, Eye:	1% Severe (rabbit)
Inhalation:	No information available.
Ammonium Hydroxide	
Oral:	LD50: 350mg/kg (rat)
Skin Irritant:	Severe irritant (rabbit)
Eye Irritant:	Severe irritant (rabbit)
Carcinogenicity:	Not Listed by AICGH, IARC, NIOSH, NTP, or OSHA

XII. ECOLOGICAL INFORMATION

This product has not been evaluated at this time.	
This information reflects the known hazards associated with the component (s) and may not reflect that of the purchased material due to the concentration (dilution) effects.	
Sodium Dioctylsulfosuccinate	
No information available.	
Ammonium Hydroxide	
Fish: Rainbow trout:	LC50: 0.008 mg/L; 24hr

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

XIII. DISPOSAL INFORMATION

Waste Disposal Method: Material may be incinerated or land filled at a licensed facility in accordance with local, state, and federal regulations.
 Since empty containers may contain residues, all hazard precautions given in this data sheet should be observed. Keep out of waterways, sewers and drains.

XIV. TRANSPORT INFORMATION

Flammability Classification: Combustible Liquid
OSHA: Class III B
DOT Hazard Classification: Not applicable
DOT Shipping Name (ground): Resin Compound Liquid
DOT Packing Group: Not applicable
DOT UN ID: Not applicable

IMDG Hazard Classification: Non applicable
IMDG Shipping Name (OCEAN): Resin Compound Liquid
IMDG Packing Group: Not applicable
UN ID: Not applicable

ICAO/ IATA Hazard Classification: Not applicable
ICAO / IATA Shipping Name (air): Resin Compound Liquid
IACO/ IATA Packing Group: Not applicable
UN ID: Not applicable

TDG Shipping Name (ground): Resin Compound Liquid
TDG Hazard Classification: Not applicable
TDG Packing Group: Not applicable
UN ID: Not applicable

XV. REGULATORY INFORMATION

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level:
 This material contains a chemical subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.

<u>Chemical</u>	<u>CAS #</u>	<u>%</u>
Ammonia Hydroxide	1336-21-6	0 - 1

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).

CERCLA Reportable Quantities

These component(s) are present which could require reporting under CERCL 40 CFR 302.4.

<u>Chemical</u>	<u>CAS #</u>	<u>CERCLA RQ</u>
Ammonia Hydroxide	1336-21-6	1000 LBS

Canadian WHMIS Classification:

These component(s) present are listed on the WHMIS hazardous ingredient disclosure list.

<u>Chemical</u>	<u>CAS #</u>	<u>%</u>
Ammonia Hydroxide	1336-21-6	0 - 1

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.

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.

Coalition of Northeast Governors (CONEG) Legislation:

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

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.