

Material Safety Data Sheet # 352
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

Date of preparation: 6/9/07
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 MSDS#: 352

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- 1883								
Trade Name: WB Coating, LO VOC Gloss AQ-120									

II COMPOSITION / INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Ammonia Hydroxide	1336-21-6	0 - 1	ACGIH TWA/TLV	25 ppm
			ACGIH / STEL	35 ppm
			OSHA PEL	50 ppm
Sodium Dioctylsuccinate	577-11-7	1 – 5	ACGIH TLV/TWA	NE
			OSHA PEL	NE
The amount of Ammonium Hydroxide reported in Section 2 is calculated to be the excess neutralizer after creation of the polymer solution.				
* Not Established = NE				

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: Inhalation is an unlikely route of exposure under conditions of intended use. Higher temperatures and inhalation of excessive concentrations of vapors or mists may cause irritation of the throat and lungs, drowsiness, loss of coordination, headaches and fatigue.
Skin Contact: Avoid skin contact. Skin contact is expected to be the primary route of occupational exposure. Prolonged or repeated contact may cause mild irritation to the skin. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, itching, chapping, and reddening and cracking of skin. 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 cause mild irritation to the eyes upon direct contact. Symptoms may include redness, stinging, tearing, 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 digestive tract, drowsiness, dizziness, and loss of coordination, fatigue, nausea, possible blood disorders, and kidney & liver damage. One or more components is an aspiration hazard and can enter the lungs during swallowing or vomiting, and cause lung inflammation and damage.

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 until irritation subsides. 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: Inhalation of excessive concentrations of vapors or mists may cause irritation of the throat and lungs, drowsiness, loss of coordination, headaches and fatigue. If any of these symptoms occur victim should seek air free of vapors. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available. 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 F (Closed Cup)	Auto-ignition Temperature °F: No Data
Flammable Limits in Air	Lower Limit: No Data Upper Limit: No Data
Extinguishing Media: Water spray, dry extinguishing media, fog can be used as extinguishing media.	
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. Water may be used as a extinguishing medium.	
Unusual Fire & Explosion Hazard: Take precautionary measures against static discharges. The container may burn and leak in the heat of a fire.	
Hazardous Products of Combustion: Carbon dioxide, carbon monoxide, smoke and oxides of nitrogen and sulfur.	

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. Large spills dike area. Wash spill area with strong detergent and water. Keep out of waterways, drains and sewers.

VII. HANDLING AND STORAGE

Handling and Storage: Use and store in containers in a cool, well-ventilated area. It is recommended that this product be stored at temperatures between 40 F and 115 F (4.5C – 45 C). The slight ammonia smell can become stronger if the coating will be heated higher than room temperature. Mix well before using. Protect product from freezing. Take precautionary measures against static discharge. Close containers after each use. Keep away from sources of ignition.
Other Precautions: For industrial use only. Do not ingest. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor. 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.
Personal Protective Equipment
Respirator: Respiratory protection is not required under conditions of normal use. General room ventilation is adequate. 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 impervious rubber gloves when handling. Use a chemical resistant apron if required. Safety showers are recommended.
Eye: Use approved eye protection to safeguard against potential eye contact, irritation, and injury. Use safety glasses, full face shield or chemical goggles to prevent eye injury. 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: 8.8 – 9.4
VOC: Lbs/Gal: 0.06 max. g/L : 7.18	Appearance/Odor: Milky white Liquid / Slight Ammonia Odor

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable under normal conditions of storage and intended use.	Conditions to avoid: Avoid excessive heat (> 115 - 140 F) and sources of ignition. Avoid excessive cold. Avoid storage below 40 F (4.5 C) and above 115 °F (45° C)
Hazardous Polymerization: Will not occur.	Material to avoid: Avoid strong acids
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, smoke and oxides of nitrogen and sulfur.	

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
Toxicological information on the regulated components of this product is as follows:	
Sodium Dioctylsulfosuccinate	
Oral:	LD50: 1900 mg/kg (rat)
Draize Test, Skin:	10 mg/24 H Moderate (rabbit)
Draize Test, Eye:	1% Severe (rabbit)
Inhalation:	No information available
Ammonium Hydroxide	
Oral:	LD50: 350 mg/kg (rat)
Skin Irritant:	Severe irritant (rabbit)
Eye irritant:	Severe irritant (rabbit)
Carcinogenicity:	Not Listed by ACIGH, IARC, NIOSH, NTP or OSHA

XII. ECOLOGICAL INFORMATION

This product has not been evaluated at this time; however this information reflects the components.
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: 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.

XIV. TRANSPORT INFORMATION

Flammability Classification:	Combustible Liquid
OSHA:	Class III B
DOT Hazard Classification:	Not Regulated
DOT Shipping Name:	Resin Compounds, Liquid
DOT Packing Group (ground):	Not applicable
DOT UN ID:	Not applicable
IMDG Classification (ocean):	Not applicable
IMDG Packing Group:	Not applicable
IMDG Shipping Name:	Resin Compounds, Liquid
UN ID:	Not applicable
ICAO/ IATA Shipping Name:	Resin compounds, liquid
ICAO/IATA Classification (air):	Not applicable
ICAO/IATA Packing Group:	Not applicable
UN ID:	Not applicable
TDG Shipping Name (ground):	Resin compounds, liquid
TDG 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 chemicals subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.

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

TSCA Section 8(b) Chemical Substance Inventory Status:

The chemical component(s) of this product are listed or have been registered for inclusion on the TSCA Section 8 (B) Chemical Substance Inventory List (40 CFR710).

CERCLA Reportable Quantities

Components present which require reporting under CERCLA 40 CFR 302.4

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

Canadian WHMIS Classification

Components present are listed in the WHMIS hazardous ingredient disclosure list.

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

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. do 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. make 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.