

Material Safety Data Sheet # 127
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

Date of preparation: 12/22/2010
MSDS #: 127

I. PRODUCT IDENTIFICATION

<p>Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033</p> <p>Emergency phone: (323) 264-2200</p>	<p align="center">HMIS HAZARD IDENTIFICATION</p> <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>C</td> </tr> </table>	Health	1	Flammability	0	Reactivity	0	Personal Protection	C
Health	1								
Flammability	0								
Reactivity	0								
Personal Protection	C								
<p>Product Class: Aqueous Gloss Coating</p>	<p>Manufacturer's code S-1887 D</p>								
<p>Trade Name: WB Coating Gloss Ink Jet AQ- 586</p>									

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Sodium Dioctylsulfosuccinate	577-11-7	1 – 5	OSHA PEL ACGIH TLV/ TWA ACGIH / STEL	Not Established Not Established Not Established
Ammonium Hydroxide	1336-21-6	0 – 1	OSHA PEL ACGIH TLV/ TWA ACGIH / STEL	50 ppm 25 ppm 35 ppm
<p>The components listed are identified as hazardous chemicals based upon the criteria of the OSHA Hazard Communication Standard (29 CFR 1910. 1200).</p> <p>The amount of Ammonium Hydroxide reported in Section 2 is calculated to be the excess neutralizer after creation of the polymer solution.</p>				

III. HEALTH HAZARD INFORMATION

<p>Effects of Overexposure</p>
<p>Inhalation: Inhalation is an unlikely route of exposure under conditions of intended use. Higher temperatures may generate vapors that may cause irritation of the eyes and respiratory tract. No chronic health hazards are associated with the components present in this product.</p>
<p>Skin Contact: Avoid skin contact. Avoid prolonged and / or repeated contact with skin. Prolonged or repeated contact may cause mild irritation. Symptoms may include redness, itching, drying and cracking of the skin. Skin contact is expected to be the primary route of occupational exposure. 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.</p>
<p>Eye Contact: Avoid eye contact. Contact with this product may be mildly irritating to the eyes upon direct contact.. Symptoms may include stinging, tearing, redness, swelling and / or burning.</p>
<p>Ingestion: Ingestion is an unlikely route of exposure under conditions of intended use. Deliberate ingestion of excessive quantities may be harmful. No chronic health hazards are associated with the components present in this product See <i>Notes to Physician</i> section below.</p>

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 immediate 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 irritation persists. Wash clothing and thoroughly clean shoes before reuse.
Inhalation: If mist or exposure is generated when the material is heated or handled, remove victim from exposure. If breathing has stopped or is irregular, remove to fresh air and administer artificial respiration and supply oxygen if it is available. If victim is unconscious, remove to fresh air and seek immediate medical attention.
Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth 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 (% 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. The containers may burn and leak in the heat of a fire.	
Unusual Fire & Explosion Hazard: Dense smoke may be generated while burning; carbon dioxide, carbon monoxide (CO), oxides of nitrogen and sulfur may be generated as products of combustion.	

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. Pick up bulk of spill and place in a suitable container for recovery or disposal. Wash spill area with a strong detergent and water. Keep all materials out of drains, sewers and waterways.
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VII. HANDLING AND STORAGE

Handling and Storage: Use and store this product with adequate ventilation. Close container after each use. Wear protective clothing and impervious gloves when handling. It is recommended that containers of this product be stored at room temperatures between 40°F and 115 ° F (4.5C – 45C).The slight ammonia smell can become stronger if the coating will be heated higher than room temperature. Take precautionary measures against static discharge. Protect from freezing. 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.
Other Precautions: For industrial use only. Do not ingest. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation Requirements: No special requirements under conditions of intended use. General room ventilation is adequate. If vapor or mist is generated when the material is heated or handled, adequate ventilation and / or local exhaust ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specific exposure or flammable limits.
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Personal Protective Equipment
Respirator: No special requirements 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/ MSHA certified. Do not use compressed oxygen in hydrocarbon atmospheres.
Skin: Use impervious gloves when handling. Use a chemical resistant apron over parts of the body subject to exposure. Readily accessible safety showers are recommended.
Eye: Eye protection is recommended to prevent eye contact. If material is handled such that it could be splashed into eyes, wear plastic face shield, safety glasses or splash-proof safety goggles. Eye protection should meet the ANSI Z87.1 specifications. Readily accessible eye wash stations are recommended.

IX. PHYSICAL AND CHEMICAL DATA

Boiling Point °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	Solubility in Water: Soluble
% Volatile Organic Compounds (VOC) by Weight: 2.07	Evaporation Rate: Not Available pH: 8.7 ± 0.7
VOC: lbs/gal: 0.18 g/L: 21.6	Appearance/Odor: Milky White Liquid / Slight Ammonia odor

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Normally stable under normal 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 (45C).
Hazardous Polymerization: Will not occur.	Materials to avoid: Keep away from 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 IARC, ACGIH, NTP and/ or OSHA in concentrations of 0.1 percent or greater. This product has not been identified as a carcinogen by OSHA, ACGIH, NIOSH, the National Toxicology Program (NTP), or the International Agency for Research Cancer (IARC).

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. 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 Dioctylsufosuccinate

Oral: LD50: 1900 mg/kg (rat)
 Draize Test, Skin: 10mg/24H 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)

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 hazard 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

No information available.

Ammonium Hydroxide

Fish: Rainbow trout: LC50: 0.008 mg/L; 24 hr.

Fish: Fathead minnow: LC50: 8.2 mg/L; 24 hr.

Water Flea: Daphnia: EC50: 0.66 mg/L; 48hr

As with all chemicals do not allow to enter waterways, drains, lakes or sewers.

XIII. DISPOSAL INFORMATION

Waste Disposal Method: Dispose of product in accordance with local, county, state, and federal environmental regulations. If recycling as ink is not possible, material may be incinerated or land filled at a licensed facility in accordance with local, county, state, and federal regulations.

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

Do not allow product to enter public sewer systems.

XIV. TRANSPORT INFORMATION

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

XV. REGULATORY INFORMATION

EPA SARA Title III Section 313(40 CFR 372) Component(s) above “de minimus” level:

This product 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	
TSCA Section 8(b) Chemical Substance Inventory List (40 CFR 710) Status: All component(s) of this product are either exempt or listed on the TSCA Inventory.		
CERCLA Reportable Quantities Components 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	1000 LBS
<u>U.S. State Regulations</u>		
California Proposition 65: This product does not contain any chemicals known by the state of California to cause cancer and/or reproductive harm.		
This product has not been identified as a carcinogen by OSHA, ACGIH, NIOSH, the National Toxicology Program (NTP), or the International Agency for Research Cancer (IARC).		
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.		
CONEG This product is certified to be in full compliance with CONEG Model Toxics Legislation for packaging and packaging components.		
Canadian WHMIS Classification Components present which are listed on 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.

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Safety Glasses
Gloves
Apron

