

Material Safety Data Sheet # 184
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

Date of preparation: 2/24/09
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 MSDS #: 184

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- 1874								
Trade Name: Gloss Work & Turn AQ-116-2									

II. HAZARDOUS INGREDIENTS

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

* NE = Not Established

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: Avoid 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. Prolonged or repeated contact with skin may cause irritation. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, cracking and redness 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 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 <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 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: Remove victim from exposure, to fresh air. If victim is unconscious or if breathing difficulties develop seek immediate medical attention.
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek immediate medical attention.
Notes to Physician: 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: Water spray, dry extinguishing media, foam.		
Special Fire Fighting Procedures: The use of self contained breathing apparatus is recommended for fire fighters. Water may be used as an extinguishing medium. Water may be used to cool containers exposed to heat or flame.		
Unusual Fire & Explosion Hazard: This material 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 area. Ventilate area of spill. Use appropriate personal protective equipment. Absorb small spill with an inert material such as vermiculite, sand etc. (if large spill, dike area.). Scrape up with trowel or scoop and place in a suitable container. Clean up with a strong detergent and water. Keep all materials out of waterways, sewers and drains.
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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 material be stored between 40 °F and 115 °F (4.5 °C - 45° C) Do not store in cold temperatures. Protect from freezing. Use or store this product with adequate ventilation. Close container after each use. Take precautionary measures against static charge.
Other Precautions: For industrial use only. Do not ingest. Consumption of food and beverages should be avoided in work areas. 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: No special requirements under normal use conditions. General room ventilation is adequate. 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. 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 if a splash hazard exists. Provide readily accessible safety showers.
Eye: Eye protection is required to safeguard against potential eye contact, irritation, and injury. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety glasses or

goggles. 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): Not available
Material Density Lbs./Gal: 8.70	Solubility in Water: Soluble
% Volatiles by Weight: 2.76	Evaporation Rate: Not available pH: 8.7 ± 0.7
VOC: lbs/gal: 0.24 g/L: 28.7	Appearance/Odor: Milky White Liquid / SL. 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 (>140°F) and sources of ignition. Avoid storage below 40 °F (4.5C) and above 115° F (45C)
Hazardous Polymerization: Will not occur.	Materials to avoid: Keep away from strong acids
Hazardous Decomposition Products: Carbon monoxide (CO); carbon dioxide; smoke, oxides of nitrogen and sulfur.	

XI. TOXICOLOGICAL INFORMATION

CARCINOGEN: This product contains no listed carcinogens according to IARC, ACGIH, National Toxicology Program (NTP), and / or OSHA 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. 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

Oral: LD50: 1900 mg/kg (rat)
Draize Test, Skin: 10 mg/24H Moderate (rabbit)
Draize Test, Eye: 1% Severe (rabbit)
Inhalation: No Information available

Isopropyl Alcohol

Oral: LD50: 5045 mg/kg (rat)
Skin irritant: LD50: 5030-7900 mg/kg (rabbit)
Eye irritant: No information available
Inhalation: LC50: 16000 ppm, 4h (rat)

Ammonium Hydroxide

Oral: LD50: 350 mg/kg (rat)
Skin Irritant: Severe irritant (rabbit)
Eye Irritant: Severe irritant (rabbit)
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 Dioctylsulfocinate

No information available

Isopropyl Alcohol

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

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 cans may retain product residues, all hazard precautions given in the data sheet should be observed.

Do not allow to enter sewers, drains or other waterways.

XIV. TRANSPORT INFORMATION**Flammability Classification:**

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

IMDG Shipping Name (ocean): Resin compounds, liquid
IMDG Hazard Classification: Not Applicable
IMDG Packing Group: Not Applicable
IMDG UN ID: Not Applicable

ICAO/ IATA Shipping Name (air): Resin compounds, liquid
IATA Hazard Classification: Not Applicable
IATA Packing Group: Not Applicable
IATA UN ID: Not Applicable

TDG Shipping Name (ground): Resin compounds, liquid
TDG Hazard Classification: Not Applicable
TDG Packing Group: Not Applicable
TDG UN ID: Not Applicable

XV. REGULATORY INFORMATION**U.S Federal Regulations****EPA SARA Title 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>
Ammonia Hydroxide	1336-21-6
Isopropyl Alcohol	67-63-0

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

Components which could require reporting under CERCLA 40CFR 302.4

<u>Chemical</u>	<u>CAS #</u>	<u>CERCLA RQ</u>
Ammonia Hydroxide	1336-21-6	1000 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 Amendment of 1990

U.S. State Regulations

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.

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.

International Regulations

Canadian WHMIS Classification

Components present that 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

