

**Material Safety Data Sheet # 283**  
**For Printing Inks and related Materials**  
**OSHA Hazard Communication Standard, 29 CFR 1910.1200**

Date of preparation: 2-1-2010  
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 MSDS #: 283

**I. PRODUCT IDENTIFICATION**

Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033  Emergency phone: (323) 264-2200	<b>HMIS HAZARD IDENTIFICATION</b>								
	<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								
<b>Product Class:</b> Aqueous Gloss Coating	<b>Manufacturer's code:</b> S-1880								
<b>Trade Name:</b> WB Gloss Low VOC Kote									

**II. HAZARDOUS INGREDIENTS**

Material	CAS #	%	Exposure Limits	Units
Sodium Dioctylsulfosuccinate	577-11-7	1 – 5	OSHA PEL	NE
			ACGIH TLV/ TWA	NE
			ACGIH / STEL	NE
Ammonium Hydroxide	1336-21-6	0 -1	OSHA PEL	50 ppm
			ACGIH TLV / TWA	25 ppm
			ACGIH / STEL	35 ppm
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				
The components listed above are identified as hazardous chemicals based upon the criteria of the OSHA Hazard Communication Standard (29 CFR 1910. 1200)				

**III. HEALTH HAZARD INFORMATION**

<b>Effects of Overexposure</b>
<p><b>Inhalation:</b> 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. Acute overexposure may result in irritation of the throat and lungs. Chronic exposure: No chronic health hazards are associated with the components present in this product.</p>
<p><b>Skin Contact:</b> Avoid skin contact. Skin exposure is expected to be the primary route of occupational exposure. Prolonged or repeated contact with skin may cause mild irritation. 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><b>Eye Contact:</b> Avoid eye contact. This product may cause mild irritation to the eyes upon direct contact. Symptoms may include stinging, tearing, redness, swelling and / or burning.</p>
<p><b>Ingestion:</b> Do not ingest. Ingestion is an unlikely route of exposure under conditions of intended use. Deliberate ingestion of excessive quantities may be harmful. Ingestion of small quantities is usually nonfatal unless aspiration occurs. Severe oral intoxication will lead to intense burning of the throat and may result in drowsiness, dullness, numbness, and headache followed by dizziness, weakness, and nausea. Loss</p>

of consciousness and convulsions followed by death may result. See *Notes to Physician* section below.

#### IV. FIRST AID PROCEDURES

Emergency & First Aid Procedures
<b>Eyes:</b> 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.
<b>Skin:</b> 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.
<b>Inhalation:</b> Remove victim from exposure to fresh air. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available. If victim is unconscious, remove to fresh air and seek medical attention.
<b>Ingestion:</b> 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.
<b>Notes to Physician:</b> 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 specific antidote.

#### V. FIRE AND EXPLOSION DATA

<b>Flash Point °F:</b> > 200 °F (Closed Cup)	<b>Auto-ignition Temperature °F:</b> No Data	
<b>Flammable Limits in Air (% Volume)</b>	<b>Lower Limit:</b> No Data	<b>Upper Limit:</b> No Data
<b>Extinguishing Media:</b> Use water spray, foam, or dry chemical extinguishing media.		
<b>Special Fire Fighting Procedures:</b> The use of self contained breathing apparatus is recommended for firefighters. Cool container and use caution when approaching or handling fire exposed containers. Water can be used to cool containers exposed to heat or flame. The container may burn and leak in the heat of a fire.		
<b>Unusual Fire &amp; Explosion Hazard:</b> Dense smoke may be generated while burning; carbon dioxide, carbon monoxide; 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, dirt etc (if large spill, dike area). Pick up bulk of spill and containerize for recovery or disposal. Wash spill area with strong detergent and water. Keep all materials out of drains, sewers, or waterways. Dispose of product in accordance with local, county, state and federal regulations.

#### VII. HANDLING AND STORAGE

**Handling and Storage:** Store in containers in a cool, well-ventilated area. It is recommended that containers of this product be stored at temperatures between 40 °F and 115 °F (4.5 °C – 45 °C). The slight ammonia smell can become stronger if the coating will be heated higher than room temperature. Keep containers closed after each use. Keep away from all sources of ignition, open flame and take precautionary measures against static discharge. 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. Consumption of food and beverages should be avoided in work areas where hydrocarbons are present. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor.

#### 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 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 approved. Do not use compressed oxygen in hydrocarbon atmospheres.

**Skin:** Use impervious gloves when handling. Wear protective clothing. Use a chemical resistant apron over parts of the body subject to exposure. Provide readily accessible safety showers.

**Eye:** Safety glasses, full face shield or chemical safety goggles are recommended to prevent eye contact. Eye protection should meet the specifications of ANSI Z87.1 Provide readily accessible eye wash stations

### IX. PHYSICAL AND CHEMICAL DATA

<b>Boiling Range °F:</b> 212 °F	<b>Vapor Density (Air = 1):</b> Not available
<b>Relative Density (H<sub>2</sub>O = 1):</b> 1.045	<b>Vapor Pressure (mm Hg @ 68°F):</b> No Data
<b>Material Density Lbs./Gal:</b> 8.70	<b>Solubility in Water:</b> Soluble
<b>% Volatile Organic Compounds (VOC) by Weight:</b> 0.69	<b>Evaporation Rate:</b> Not Available <b>pH:</b> 8.7 ± 0.7
<b>VOC: lbs/gal:</b> 0.06 <b>g/L:</b> 7.21	<b>Appearance/Odor:</b> Milky White Liquid/ Slight Ammonia odor

### X. STABILITY AND REACTIVITY INFORMATION

<b>Stability (Thermal, Light, etc.):</b> Normally stable under normal conditions of storage and intended use.	<b>Conditions to avoid:</b> Avoid excessive heat > 140 °F and sources of ignition, open flame. Avoid excessive cold, keep from freezing. Avoid storage below 40 °F (4.5 °C) and above 115 °F (45°C).
<b>Hazardous Polymerization:</b> Will not occur.	<b>Materials to avoid:</b> Keep away from strong acids.
<b>Hazardous Decomposition Products:</b> CO <sub>2</sub> , CO, oxides of nitrogen, sulfur, smoke may be generated as products of combustion.	

### 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

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 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: 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)  
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. The information reflects the known hazards associated with the component and may not reflect that of the purchased material due to the 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

## 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. Since emptied containers may retain product residues, all hazard precautions given in this data sheet should be observed. Do not allow to enter sewers, drains or waterways. Do not introduce this product directly into public sewer systems.

## XIV. TRANSPORT INFORMATION

### **Flammability Classification:**

**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 Proper Shipping Name (ocean):** 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

### **SARA Title III Section 313:**

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>
Ammonium Hydroxide	1336-21-6	0 - 1
<b>TSCA Section 8(b) Inventory Status:</b>		
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).		
<b>CERCLA Reportable Quantities</b>		
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	1000 LBS
<b>Clean Air Act Amendment (HAPs)</b>		
This product does not contain any chemicals which are defined as Hazardous Air Pollutants under the Title III of the Clean Air Act Amendments of 1990.		
<b>Coalition of Northeast Governors (CONEG) Legislation:</b>		
This product is certified to be in full compliance with CONEG Model Toxics Legislation for packaging and packaging components.		
<b><u>U.S. State Regulations</u></b>		
<b>California Proposition 65:</b>		
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.		
<b>Canadian WHMIS Classification</b>		
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

