

**Material Safety Data Sheet #188**  
**For Printing Inks and related Materials**  
**OSHA Hazard Communication Standard, 29 CFR 1910.1200**

Date of preparation: 5/23/2010  
MSDS #: 188

**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"><b>HMIS HAZARD IDENTIFICATION</b></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>B</td> </tr> </table>	Health	1	Flammability	0	Reactivity	0	Personal Protection	B
Health	1								
Flammability	0								
Reactivity	0								
Personal Protection	B								
<p><b>Product Class:</b> Aqueous Gloss Coating</p>	<p><b>Manufacturer's code:</b> S-1895 P, D</p>								
<p><b>Trade Name:</b> WB AQ Hi- Gloss One Side Ctg.</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
Isopropyl Alcohol	67-63-0	1 – 3	OSHA / PEL ACGIH TLV/ TWA ACGIH //STEL	400 ppm 200 ppm 400 ppm
Ammonium Hydroxide	1336-21-6	0 – 1	OSHA / PEL ACGIH TLV/ TWA ACGIH / STEL	50 ppm 25 ppm 35 ppm

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

**III. HEALTH HAZARD INFORMATION**

<p><b>Effects of Overexposure</b></p>
<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.  No chronic health hazards are associated with the components present in this product.</p>
<p><b>Skin Contact:</b> Avoid skin contact. 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 be slightly 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.</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</p>

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 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 irritation persists. Wash clothing and thoroughly clean shoes before reuse.
<b>Inhalation:</b> If mist or exposure is generated when the material is heated or handled, remove victim from exposure. 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> 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.
<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 known 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 fire fighters. Water can be used to cool containers exposed to heat or flame. Use caution when approaching or handling fire-exposed containers.		
<b>Unusual Fire &amp; Explosion Hazard:</b> Dense smoke may be generated while burning; carbon dioxide, carbon monoxide, and other oxides may be generated as products of combustion. The container may burn or leak in the heat of a fire.		

#### VI. ACCIDENTAL RELEASE

<b>Steps to be taken in event of spill or release:</b> Keep unnecessary personnel away from spill area. Use appropriate personal protective equipment such as chemical resistant apron, impervious gloves and face shield if splash hazard exists. Soak up small spill with inert material such as vermiculite, sand, dirt etc. For large spills 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 drains, sewers and waterways.
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#### VII. HANDLING AND STORAGE

<b>Handling and Storage:</b> Store containers in a cool, well-ventilated area. It is recommended that containers of these products be stored at temperatures 40 ° and 115 °F (4.5 °C – 45 °). Protect from freezing. The slight ammonia smell can become stronger if the coating will be heated higher than room temperature. Take precautionary measures against static discharges. Avoid prolonged contact with skin, eyes, and breathing of mist or vapor. Use impervious gloves, chemical resistant apron and eye protection (full face shield if splashing hazard exists) when handling. 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.
<b>Other Precautions:</b> 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

<b>Ventilation Requirements:</b> 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.
<b>Personal Protective Equipment</b>
<b>Respirator:</b> 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.
<b>Skin:</b> Use impervious gloves when handling. Use a chemical resistant apron if a splash hazard exists. Provide readily accessible safety showers
<b>Eye:</b> The following items are recommended to prevent eye contact. Wear plastic face shield or splash-proof safety glasses or goggles. 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 @ 70°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> 3.76	<b>Evaporation Rate:</b> Not available <b>pH:</b> 8.7 ± 0.7
<b>VOC: lbs/gal:</b> 0.33 g/L: 39.29	<b>Appearance/Odor:</b> Milky White Liquid/ slight Ammonia odor.

### X. STABILITY AND REACTIVITY INFORMATION

<b>Stability (Thermal, Light, etc.):</b> Normally stable under conditions of storage and intended use.	<b>Conditions to avoid:</b> Avoid excessive heat (> 140 °F) and sources of ignition. 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 smoke and other oxides of nitrogen may be generated as products of combustion.	

### XI. TOXICOLOGICAL INFORMATION

<b>CARCINOGEN:</b> 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).	
<b>Mutagen:</b>	No Data
<b>Teratogen:</b>	No Data
<b>Reproductive Toxicity:</b>	No Data
Information pertaining to the health effects and toxicity of the “pure” form of the hazardous components identified in Section II is presented below. This information reflects the known hazards 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	
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
Isopropyl Alcohol	
Oral:	LD 50: 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 II is presented below. This information reflects the known hazards 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; 24hr  
 Fish: Fathead minnow: LC50: 8.2 mg/L; 24 hr  
 Water Flea: Daphnia: EC50: 0.66 mg/L; 48 hr

### **Isopropyl Alcohol**

Fish: LC50 > 100 mg/L  
 Regarded as having low toxicity to aquatic organisms. Water soluble, will partition to aqueous phase. Lost within short period through evaporation or dissolution. Readily biodegradable

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

## XIV. TRANSPORT INFORMATION

<b>Flammability Classification:</b>	Combustible Liquid
<b>OSHA:</b>	Class III B
<b>US DOT Proper Ship Name (ground):</b>	Resin compounds, liquid
<b>Class:</b>	Not applicable
<b>UN ID</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>IMDG Proper Ship Name (ocean):</b>	Resin compounds, liquid
<b>Class:</b>	Not applicable
<b>UN ID</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>ICAO/ IATA Proper Ship Name (air):</b>	Resin compounds, liquid
<b>Class:</b>	Not applicable
<b>UN ID</b>	Not applicable
<b>Packing Group:</b>	Not applicable

<b>TDG Proper Ship Name (ground):</b>	Resin compounds, liquid
<b>Class:</b>	Not applicable
<b>UN ID</b>	Not applicable
<b>Packing Group:</b>	Not applicable

**XV. REGULATORY INFORMATION**

<b>EPA SARA Title III Section 313 (40 CFR 372) Component (s) above ‘de minimus’ level:</b>		
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><b>Chemicals</b></u>	<u><b>CAS Number</b></u>	
Ammonium Hydroxide	1336-21-6	
<b>CERCLA Reportable Quantities</b>		
Components present which could require reporting under CERCLA 40 CFR 302.4		
<u><b>Chemical Name</b></u>	<u><b>CAS Number</b></u>	<u><b>CERCLA RO</b></u>
Ammonium Hydroxide	1336-21-6	1000 LBS
<b>TSCA Section 8(b) Inventory Status:</b>		
All component(s) of this product are either exempt or listed on the TSCA Inventory.		
<u><b>U.S. State Regulations</b></u>		
<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>Clean Air Act Amendment (HAPs)</b>		
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.		
<b>Coalition of Northeast Governors (CONEG) Legislation:</b>		
This product is certified to be in full compliance with CONEG Model Toxic Legislation for packaging and packaging components.		
<b>Canadian WHMIS Classification</b>		
Components present in the WHMIS hazardous ingredient disclosure list.		
<u><b>Chemical Name</b></u>	<u><b>CAS Number</b></u>	
Ammonium Hydroxide	1336-21-6	
Sodium Dioctylsulfosuccinate	577-11-7	

**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.