Material Safety Data Sheet # 258

For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

Date of preparation: 11/24/2010
MSDS#: 258

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** Health 1 Flammability 0 Reactivity 0 Personal Protection B
Product Class: Aqueous Gloss Coating	**Manufacturer's code:** S-1884 D, P
Trade Name: WB Gloss W&T Low VOC Coating AQ-704	

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 Hyroxide	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 2 is calculated to be the excess neutralizer after creation of the polymer solution.

III. HEALTH HAZARD INFORMATION

Effects of Overexposure

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 and / or repeated contact with skin may cause mild skin 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.

Eye Contact: Avoid eye contact. This product may be slightly irritating to the eyes upon direct contact. Exposure to higher temperatures or concentrations of vapors may be irritating to the eyes. Symptoms may include stinging, tearing, redness, 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. 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. See *Notes to Physician* 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 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: Move to fresh air. Seek immediate medical attention if breathing difficulties develop.
Ingestion: Do not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person. Rinse mouth and then drink plenty of water.
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 if 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 fire fighters. Water may be used to cool containers exposed to heat or flame. Use caution when approaching or handling fire exposed containers. The container 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, and other 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 sand, dirt, vermiculite etc. If large spill, dike area. Scrape up with trowel or scoop and place in a suitable container. Clean up and wash spill with a strong detergent and water. Keep all materials out of drains, sewers or waterways.

VII. HANDLING AND STORAGE

Handling and Storage: Store in containers in a cool, well-ventilated area. It is recommended that containers of these products 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. Protect from freezing. Take precautionary measures against static discharge. Close containers after each use. Since emptied containers may retain product residues, all hazard precautions given in this data sheet should be observed.
Other Precautions: For industrial use only. Do not ingest. 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. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation Requirements: Use of local exhaust ventilation recommended. 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: No special requirements under conditions of intended 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.

Skin: Use impervious gloves when handling. Use a chemical resistant apron and / or protective clothing if a splash hazard exists. Provide readily accessible safety showers.
Eye: Wear plastic face shield or splash-proof safety glasses or goggles to prevent eye contact. Wear full face shield if splashing hazard exists. Eye protection should meet the specifications of ANSI Z87.1 Provide readily accessible eye wash stations

IX. PHYSICAL AND CHEMICAL DATA

Boiling Range °F: 212 ° F	**Vapor Density (Air = 1):** No Data
Relative Density (H_2O = 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: 0.69	**Evaporation Rate:** No Data **pH:** 8.7 ± 0.7
VOC: lbs/gal: 0.06 **g/L:** 7.21	**Appearance/Odor:** Milky white liquid / Slight ammonia odor

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable	**Conditions to avoid:** Avoid excessive heat, (> 140° F) and sources of ignition. Avoid storage below 40 °F (4.5° C) and above 115 F (45°C)
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 has not been identified as a carcinogen by OSHA, ACGIH, NIOSH, 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 and toxicity 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 concentration (dilution) effects. Review and interpretation by your Hazard Communication Department is recommended.

Sodium Dioctylsulfosuccinate
Oral: LD50: 1900mg/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 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; 24 hr
Fish: Fathead minnow: LC50: 8.2 mg/L; 24 hr
Water Flea: Daphnia: EC50: 0.66 mg/L; 48 hr

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 allow to enter sewers, drains or waterways.

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

XIV. TRANSPORT INFORMATION

Flammability Classification:
OSHA: Class III B
DOT Proper Shipping Name (ground): Resin compounds, liquid
Class: Not Applicable
UN ID: Not applicable
Packing Group: Not applicable

IMDG 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

U.S. Federal Regulations

SARA Title III Section 313 (40CFR 372) Components above 'de minimus' level:

This product contains the following chemicals in quantities subject to the reporting requirements of the Section 313 of the Emergency Planning and Community Right-To- Know Act of 1986

Chemical Name	CAS #
Ammonium Hydroxide	1336-21-6

SARA Section 304 – CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):
Components present which could require reporting under CERCLA 40 CFR 302.4

Chemical Name	CAS #	CERCLA RQ
Ammonium Hydroxide	1336-21-6	1,000 LBS

TSCA Section 8(b) Inventory Status:
The chemical component(s) of this product are listed or have been registered for inclusion on the Section 8 (B) Chemical Substance Inventory List (40 CFR 710).

OSHA (Occupational Safety & Health Administration) Hazard Communication Standard, 29 CFR 1910.1200:
This product contains no listed carcinogens according to IARC, ACGIH, NTP and / or OSHA in concentrations of 0.1 percent or greater.

U.S. State Regulations

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.

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 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

These component(s) present, are listed on the WHMIS Hazardous Ingredient disclosure list.

Chemical	CAS #
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