

**Material Safety Data Sheet # 203.20**  
**For Printing Inks and related Materials**  
**OSHA Hazard Communication Standard, 29 CFR 1910.1200**

Date of preparation: 3/10/2011  
 MSDS: 203.20

**I. PRODUCT IDENTIFICATION**

Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033  Emergency phone: (323) 264-2200	<p align="center"><b>HMIS HAZARD IDENTIFICATION</b></p> <table border="1"> <tr> <td>Health</td> <td>2</td> </tr> <tr> <td>Flammability</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>2</td> </tr> <tr> <td>Personal Protection</td> <td>B</td> </tr> </table>	Health	2	Flammability	1	Reactivity	2	Personal Protection	B
Health	2								
Flammability	1								
Reactivity	2								
Personal Protection	B								
<b>Product Class:</b> UV Coatings	<b>Manufacturer's code:</b> Various, including G019438, G019439, G019434,								
<b>Trade Name:</b> UV Coating Gloss, Matte, Satin									

**II. COMPOSITION / INGREDIENTS**

Material	CAS #	%	Exposure Limits	Units
Proprietary mixture	NJTSRN- 6000-1446	100	Not Established	
Proprietary mixture	NJTSRN- 6000-1231	100	Not Established	
Proprietary mixture	NJTSRN- 6000-1731	100	Not Established	

**III. HEALTH HAZARD INFORMATION**

<b>Effects of Overexposure</b>
<b>Inhalation:</b> Not expected to be a hazard due to low volatility under standard conditions. Inhalation of mist or vapor may cause irritation or respiratory tract.
<b>Skin Contact:</b> Avoid skin contact. Contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, and reddening. Prolonged contact may cause blister formations (burns). Since irritation may not occur immediately, contact can go unnoticed. This condition may make the skin more susceptible to other irritants, sensitizers, and disease. Individuals with pre-existing skin disorders can be at greater risk. Those known to be sensitized to acrylates should avoid all exposure to this product.
<b>Eye Contact:</b> Avoid eye contact. Moderate irritant. Can cause burning sensation, tearing, swelling, and redness. Injury may persist for several days. Individuals with pre-existing eye disorders can be at greater risk. Those known to be sensitized to acrylates should avoid all exposure to this product.
<b>Ingestion:</b> Do not ingest. May irritate the mouth, throat, and gastrointestinal tract. 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 of consciousness and convulsions followed by death may result. See <i>Notes to Physician</i> section below.

**IV. FIRST AID PROCEDURES**

<b>Emergency &amp; First Aid Procedures</b>
<b>Eyes:</b> Immediately flush eyes with large amounts of water and continue flushing for 15 minutes until irritation subsides. If irritation persists, seek medical attention.

**Skin:** Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.

**Inhalation:** This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions. 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.

**Ingestion:** Do not induce vomiting. 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.

#### V. FIRE AND EXPLOSION DATA

<b>Flash Point °F:</b> >200°F (PMCC)	<b>Auto-ignition Temperature °F:</b> No Data	
<b>Flammable Limits in Air</b>	<b>Lower Limit:</b> No Data	<b>Upper Limit:</b> No Data
<b>Extinguishing Media:</b> Use water fog, foam, CO <sub>2</sub> , or dry chemical extinguishing media.		
<b>Special Fire Fighting Procedures:</b> Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas.		
<b>Unusual Fire &amp; Explosion Hazard:</b> High temperatures and fire conditions may cause rapid and uncontrollable polymerization which can result in explosions and the violent rupture of storage vessels. Avoid the use of a stream of water to control fires since frothing can occur.		

#### VI. ACCIDENTAL RELEASE

**Steps to be taken in event of spill or release:** Remove all ignition sources, as spilled material may polymerize. Move leaking containers to ventilated area. Stop discharge, if it can be performed safely, and contain material. Place in a suitable container for disposal. Do NOT flush to sewer.

#### VII. HANDLING AND STORAGE

**Handling and Storage:** Store in tightly closed containers away from heat, sparks, open flame, sources of ignition. Avoid exposure to ultraviolet light and/or sunlight. Fire extinguishers must be kept readily available and personnel should be trained in their proper use. To ensure optimal product stability, store between 40°F and 80°F. Prevent from freezing. Do Not transfer to unmarked containers. 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. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor.

#### VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Ventilation Requirements:** 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 certified. Do not use compressed oxygen in hydrocarbon atmospheres.

**Skin:** Impervious gloves (neoprene). A combination barrier cream, applied before exposure and gloves are recommended. DO NOT APPLY CREAM AFTER EXPOSURE.

**Eye:** If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety glasses or goggles.

#### IX. PHYSICAL AND CHEMICAL DATA

<b>Boiling Range °F:</b> >300 F	<b>Vapor Density (Air = 1):</b> > 1
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<b>Relative Density (H<sub>2</sub>O = 1):</b> 1.10 - 1.14	<b>Vapor Pressure (mm Hg @ 70°F):</b> No Data
<b>Material Density Lbs./Gal:</b> 9.16 - 9.49	<b>Solubility in Water:</b> Insoluble
<b>% Volatiles by Weight:</b> < 1	<b>Evaporation Rate:</b> slower than Butyl Acetate
<b>VOC: lbs/gal:</b> < 0.08 <b>g/L:</b> 10.26	<b>Appearance/Odor:</b> Viscous liquid / slight acrylic

#### X. STABILITY AND REACTIVITY INFORMATION

<b>Stability (Thermal, Light, etc.):</b> Stable	<b>Conditions to avoid:</b> Excessive heat. Storage >140°F, exposure to light, contamination with incompatible materials. Ultraviolet light, and/or sunlight.
<b>Hazardous Polymerization:</b> High temperatures (>140°F) and oxygen deficient atmosphere reduce inhibitor effectiveness and may cause polymerization, raising the temperature and pressure, possible rupturing the container. Do NOT blanket or mix with nitrogen or other inert gases as this renders the inhibitor ineffective.	<b>Materials to avoid:</b> Contact with strong oxidizers. Avoid initiators including peroxides; avoid strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust, nickel, cobalt, strong bases,
<b>Hazardous Decomposition Products:</b> CO <sub>2</sub> , CO, and other oxides 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

#### XII. ECOLOGICAL INFORMATION

This product has not been evaluated at this time. As with all chemicals and products, Do Not allow to enter drains, sewers, waterways etc.
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#### XIII. DISPOSAL INFORMATION

<b>Waste Disposal Method:</b> If discarded in its original unused form, this product does NOT exhibit the characteristics of a RCRA hazardous waste as defined under 40CFR261. Waste materials should be dumped or buried in an approved landfill, or incinerated in a suitable combustion chamber. Disposal must comply with all local, state, and federal regulations. Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: 1) Recycle or rework if at all feasible 2) Incinerate at an authorized facility 3) Treat at an acceptable waste treatment facility.
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#### XIV. TRANSPORT INFORMATION

<b>Flammability Classification:</b>	
<b>OSHA:</b>	Class III B
<b>DOT:</b>	Not Regulated
<b>DOT Label:</b>	Not Applicable
<b>DOT Identification Number:</b>	Not Applicable

#### XV. REGULATORY INFORMATION

<b>SARA Title III Section 313:</b> Section 313 – Toxic chemicals: Any ingredient that is a “toxic chemical” and is in this mixture in excess of 1% (0.1% if listed as a carcinogen) will be indicated in Section II of this MSDS. Section 302 – Extremely Hazardous Substances: Any ingredient that is in “Extremely Hazardous
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Substance” will be indicated in Section II of this MSDS.

**Section 311/312 – Hazard Categories:** Pursuant to Section 311/312 of SARA Title III, the physical and health hazard categories for this product are identified below:

Fire Hazard – NO  
Sudden Release of Pressure Hazard – NO  
Reactivity Hazard – YES  
Immediate (acute) Health Hazard – YES  
Delayed (chronic) Health Hazard – YES.

**TSCA Section 8(b) Inventory Status:**

All component(s) of this product are either exempt or listed on the TSCA Inventory.

**Canada**

**DSL (Canadian Domestic Substances List):**

All components of this product are included / or listed on the DSL.

**Ozone Depleting Substances (ODS):**

This product neither contains, nor was manufactured with, a Class I or Class II ODS, as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpart A, Appendix A and B).

**Hazardous Air Pollutants (HAP):**

This product does not contain any HAP, as defined by the U.S. Clean Air Act Section 112 (40 CFR 61)

**OSHA (Occupational Safety & Health Administration) Hazard Communication Standard, 29 CFR 1910.1200:**

This product is classified as a non-hazardous substance under OSHA regulations.

**U.S. State Regulations**

**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.

**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.