

**Material Safety Data Sheet # 159.1**  
**For Printing Inks and related Materials**  
**OSHA Hazard Communication Standard, 29 CFR 1910.1200**

Date of preparation: 5-25-06  
 Supersedes: 1-28-09  
 Updated: 8/29/2013  
 MSDS #: 159.1

**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>1</td> </tr> <tr> <td>Flammability</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>B</td> </tr> </table>	Health	1	Flammability	1	Reactivity	0	Personal Protection	B
Health	1								
Flammability	1								
Reactivity	0								
Personal Protection	B								
<b>Product Class:</b> Aqueous Coating	<b>Manufacturer's code:</b> O-4883, A101133								
<b>Trade Name:</b> Satin Krystal Kote									

**II. HAZARDOUS INGREDIENTS**

Material	CAS #	%	Exposure Limits	Units
Proprietary Mixture	NJTSRN-6000-1084	100 %	OSHA/ PEL ACGIH /TWA	Not Established Not Established
Proprietary Mixture	NJTSRN-6000-1089	100 %	OSHA /PEL ACGIH /TWA	Not Established Not Established
This product does not contain any hazardous chemicals as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200)				
* The specific chemical identity (including CAS No.) and / or specific concentrations of the constituents contained in this vehicle are regarded as "Trade Secret" information.				

**III. HEALTH HAZARD INFORMATION**

<b>Effects of Overexposure</b>
<b>Inhalation:</b> This product is not expected to present a hazard due to low volatility under standard conditions. Inhalation of vapor or mist may cause irritation of respiratory tract. Acute overexposure may result in irritation of the throat and lungs. May aggravate existing lung condition.
<b>Skin Contact:</b> Avoid skin contact. This product is slight to moderate irritant to the skin upon direct contact. 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. May cause allergic reaction.
<b>Eye Contact:</b> Avoid eye contact. This product may be slightly irritating to the eyes upon direct contact, which is readily reversible with washing.
<b>Ingestion:</b> Considered practically non toxic.

**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.
<b>Skin:</b> Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.
<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> Do not induce vomiting. Seek immediate medical attention.

#### V. FIRE AND EXPLOSION DATA

<b>Flash Point °F:</b> > 200 °F	<b>Auto-ignition Temperature °F:</b> Not Applicable	
<b>Flammable Limits in Air (% Volume)</b>	<b>Lower Limit:</b> Not Applicable	<b>Upper Limit:</b> Not Applicable
<b>Extinguishing Media:</b> Use water fog, foam, CO <sub>2</sub> , or dry chemical extinguishing media.		
<b>Special Fire Fighting Procedures:</b> Firefighters wear self contained breathing apparatus and protective gear. Water may be used to cool containers exposed to heat or flame.		
<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.		

#### VI. ACCIDENTAL RELEASE

<b>Steps to be taken in event of spill or release:</b> Provide adequate ventilation during clean – up. Absorb with an inert material such as vermiculite, sand, dirt etc. Scrape up with trowel or scoop and place in a suitable container. Dispose of in accordance to state, local and Federal regulations. Clean spill area with detergent solutions. Do not allow product to enter drains, sewers or waterways.
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#### VII. HANDLING AND STORAGE

<b>Handling and Storage:</b> Store in sealed containers away from heat, flame and other sources of ignition. Store in a cool, well-ventilated area. Fire extinguishers must be kept readily available, and personnel should be trained in their proper use. See NFPA 30 and OSHA 1910.106 – Flammable and Combustible Liquids. DO NOT TRANSFER to unmarked containers. Follow DOT regulations during transport. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor.
<b>Other Precautions:</b> For industrial use only. Do not ingest. Consumption of food and beverages should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, and smoking.

#### VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Ventilation Requirements:</b> 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> Impervious synthetic rubber gloves may be worn to minimize exposure.
<b>Eye:</b> Eye protection may be worn, such as plastic face shield or splash-proof safety glasses or goggles. Eyewash stations are recommended.

#### IX. PHYSICAL AND CHEMICAL DATA

<b>Boiling Range °F:</b> 212 – 394 °F	<b>Vapor Density (Air = 1):</b> > 1
<b>Relative Density (H<sub>2</sub>O = 1):</b> 1 - 1.006	<b>Vapor Pressure (mm Hg @ 68°F):</b> No Data
<b>Material Density Lbs./Gal:</b> 8.33 - 8.38	<b>Solubility in Water:</b> Soluble
<b>%Volatiles by Weight:</b> 29 (excluding water)	<b>Evaporation Rate:</b> Slower than Butyl Acetate
<b>VOC: lbs/gal:</b> 2.43 <b>g/L:</b> < 292	<b>Appearance/Odor:</b> Milky liquid / Mild ammonia odor

#### X. STABILITY AND REACTIVITY INFORMATION

<b>Stability (Thermal, Light, etc.):</b> Stable	<b>Conditions to avoid:</b> Direct heating, dirt, or chemical contamination..
<b>Hazardous Polymerization:</b> Will not occur.	<b>Materials to avoid:</b> Contact with strong oxidizers.
<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 or waterways.
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#### XIII. DISPOSAL INFORMATION

<b>Waste Disposal Method:</b> 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.
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#### XIV. TRANSPORT INFORMATION

<b>Flammability Classification:</b> Not Regulated
<b>OSHA:</b> Class III B
<b>DOT Shipping Name:</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> This material DOES NOT contain a toxic chemical in excess of 1% of the mixture (0.1% if listed toxic chemical is a carcinogen) <b>Section 311 / 312</b> – 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: NO Immediate (Acute) Health Hazard: NO Delayed (Chronic) Health Hazard: NO  <b>Clean Air Act - Hazardous Air Pollutants (HAP):</b> This product does not contain any HAP, as defined by the U.S. Clean Air Act Section 112 (40 CFR 61)  <b>Clean Air Act - Ozone Depleting Substances (ODS):</b> 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).  <b>Section 302</b> – (Extremely Hazardous Substances) this product DOES NOT contain an extremely hazardous substance.  <b>Coalition of Northeast Governors (CONEG) Legislation:</b>
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This product meets the Coalition of Northeast Governors (CONEG) Source Reduction Council limits for the sum of the levels of Lead, Cadmium, Mercury and Hexavalent Chromium of less than 100 parts per million by weight.

**Canada (DSL):**

All component(s) of this product are listed on the Inventory.

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

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

**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.

**B**

Safety Glasses  
Gloves

