

**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>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								
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<b>Product Class:</b> Litho Overprint Varnish for UV	<b>Manufacturer's code:</b> G018742								
<b>Trade Name:</b> Dynamic Duo w / UV Dull Varnish									

**II. HAZARDOUS INGREDIENTS**

Material	CAS #	%	Exposure Limits	Units
Proprietary Mixture	NJTSRN-8000-1928	100 %	Not Established	
Hazard in Blend: NONE				

**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 of respiratory tract. Acute overexposure may result in irritation of the throat and lungs.
<b>Skin Contact:</b> Avoid skin contact. Slight to moderate irritant. 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. May cause an allergic reaction. Skin absorption: Practically non- toxic.
<b>Eye Contact:</b> Avoid eye contact. May cause slight irritation which is readily reversible with washing. Exposure to high concentrations of vapors may be irritating to the eyes.
<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> This material 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.
<b>Ingestion:</b> 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.

#### V. FIRE AND EXPLOSION DATA

<b>Flash Point °F:</b> > 200 F (PMCC)	<b>Auto-ignition Temperature °F:</b> Not Applicable	
<b>Flammable Limits in Air (% Volume)</b>	<b>Lower Limit:</b> No Data	<b>Upper Limit:</b> No Data
<b>Extinguishing Media:</b> Use foam, CO <sub>2</sub> , or dry chemical extinguishing media.		
<b>Special Fire Fighting Procedures:</b> Water may be ineffective, but can 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

**Steps to be taken in event of spill or release:** Collect large spill with shovel, dry sand and / or absorbent materials and place in a suitable container. Clean spill area with detergent solutions. Provide adequate ventilation during clean-up.

#### VII. HANDLING AND STORAGE

**Handling and Storage:** Store in sealed containers away from heat, open flames and oxidizing materials. Store containers in a cool, well-ventilated area. Fire extinguishers must be kept available, and personnel should be trained in their proper use. See NFPA 30 and OSHA 1910.106 – Flammable and Combustible Liquids. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor. Always wash hands and face with soap and water before eating, drinking, and smoking.

**Other Precautions:** For industrial use only. Do not ingest. DO NOT TRANSFER to unmarked containers. Consumption of food and beverages should be avoided in work areas.

#### 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:** Synthetic rubber gloves may be used to minimize exposure. Wash hands with soap and water before eating, smoking and / or using the toilet.

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

#### IX. PHYSICAL AND CHEMICAL DATA

<b>Boiling Range °F:</b> 435 - 586	<b>Vapor Density (Air = 1):</b> > 1 <b>Evaporation Rate:</b> Slower than Butyl Acetate
<b>Relative Density (H<sub>2</sub>O = 1):</b> 0.998	<b>Vapor Pressure (mm Hg @ 70°F):</b> 0.1
<b>Material Density Lbs./Gal:</b> 8.33	<b>Solubility in Water:</b> Insoluble
<b>% Volatiles by Weight:</b> 32 - 34	<b>% Solids by Weight:</b> 66 - 68
<b>VOC: lbs/gal:</b> 2.32 <b>g/L:</b> 277.4	<b>Appearance/Odor:</b> Oleoresinous thick tacky liquid

#### 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

**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

### XII. ECOLOGICAL INFORMATION

This product has not been evaluated at this time.

### 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.

### XIV. TRANSPORT INFORMATION

**Flammability Classification:** Combustible Liquid  
**OSHA:** Class III B  
**DOT Shipping Name:** Not Regulated  
**DOT Label:** Not Applicable  
**DOT Identification Number:** Not Applicable

### XV. REGULATORY INFORMATION

**SARA Title III Section 313:**

This material DOES NOT CONTAIN a toxic chemical in excess of 1 % of the mixture (0.1 % if the listed chemical is a carcinogen), subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.

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

The chemical compounds of this product are contained on the Section 8 (B) Chemical Substance Inventory List (40CFR710)

**Section 302 – Extremely Hazardous Substances:** Pursuant to Section 302 of SARA Title III, this product DOES NOT CONTAIN an extremely hazardous substance.

**Section 311 / 312- Hazard Categories:**

**Fire Hazard:** NO  
**Sudden Release of Pressure Hazard:** NO  
**Reactivity Hazard:** NO  
**Immediate (Acute) Health Hazard:** NO  
**Delayed (Chronic) Health Hazard:** NO

**Clean Air Act - 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)

**Clean Air Act - 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).

**Coalition of Northeast Governors (CONEG) Legislation:**

This product is in compliance with CONEG (i.e. total cadmium, hexavalent chromium, lead and mercury < 100 ppm)

**International Inventory Status:**

**Canada**

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

All components of this product are either exempt or listed on the DSL.

**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.