

Material Safety Data Sheet # 269
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

Date of preparation: 4-8-09
MSDS #: 269

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								
	<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								
Product Class: Litho Overprint Varnish for UV	Manufacturer's code: G018743								
Trade Name: Dynamic Duo W / UVR Dull Varnish									

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Proprietary Mixture	NJTSRN-8000-1926	100 %	Not Established	
Hazard in Blend : None				

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: This product is not expected to present an inhalation hazard due to low volatility under standard conditions. Inhalation of mist may result in irritation of the throat and respiratory tract. May aggravate existing lung conditions.
Skin Contact: 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. May cause allergic skin reaction. Skin absorption: Practically non- toxic. 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. May cause slight irritation which is readily reversible with washing. Exposure to high concentrations of vapors may be irritating to the eyes.
Ingestion: Considered practically non – toxic. 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

Emergency & First Aid Procedures
Eyes: 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

Flash Point °F: > 200 F (PMCC)	Auto-ignition Temperature °F: Not Applicable	
Flammable Limits in Air (% Volume)	Lower Limit: Not Applicable	Upper Limit: Not Applicable
Extinguishing Media: Use foam, CO ₂ , or dry chemical extinguishing media.		
Special Fire Fighting Procedures: Water may be ineffective, but can be used to cool containers exposed to heat or flame.		
Unusual Fire & Explosion Hazard: 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 spills with shovel, dry sand and or absorbent materials. 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 containers in a cool, well-ventilated area, away from heat, open flames and oxidizing material. Fire extinguishers must be kept readily available and personnel should be trained in their use. See NFPA 30 and OSHA 1910 106 Flammable and Combustible Liquids. DO NOT TRANSFER to unmarked containers. Follow DOT regulations during transport. 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, smoking,, and / or using the toilet.
Other Precautions: For industrial use only. Do not ingest. Always wash hands and face with soap and water before eating, drinking, smoking,, and / or using the toilet. 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: For prolonged exposures, use impervious synthetic rubber gloves to minimize exposure. Wash hands with soap 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

Boiling Range °F: 470 – 590 F	Vapor Density (Air = 1): > 1
Relative Density (H₂O = 1): 0.99	Vapor Pressure (mm Hg @ 70°F): N/A
Material Density Lbs./Gal: 8.26	Solubility in Water: Insoluble
%Volatiles by Weight: 19 -21	% Solids by Weight: 79 - 81
VOC: lbs/gal: 1.73 g/L: 207.9	Appearance/Odor: Thick Oleoresinous Tacky Liquid Evaporation Rate: Slower than Butyl Acetate

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable	Conditions to avoid: Direct heating, dirt or chemical contamination.
Hazardous Polymerization: Will not occur.	Materials to avoid: May react with strong oxidizing agents.
Hazardous Decomposition Products: CO ₂ , 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.
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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 chemicals subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.	
Section 302 – Extremely Hazardous Substances: This product DOES NOT CONTAIN an extremely hazardous substance.	
Section 311 / 312 – Hazard Categories: 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
TSCA Section 8(b) Inventory Status: The chemical compounds of this product are contained on the Section 8 (B) Chemical Substance Inventory List (40CFR710).	
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 contain any chemicals known by the state of California to cause cancer and/or reproductive harm.

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.