

**Material Safety Data Sheet # 163**  
**For Printing Inks and related Materials**  
**OSHA Hazard Communication Standard, 29 CFR 1910.1200**

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 MSDS#: 163

**I. PRODUCT IDENTIFICATION**

Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033  Emergency phone: (323) 264-2200	<p style="text-align: center;"><b>HMIS HAZARD IDENTIFICATION</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <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> Press Wash	<b>Manufacturer's code:</b> S-1004								
<b>Trade Name:</b> Nature Wash									

**II. HAZARDOUS INGREDIENTS**

Material	CAS #	%	Exposure Limits	Units
Technical White Oil	8042-47-5	23.0	OSHA PEL/TWA oil mist is ACGIH TLV/TWA oil mist ACGIH STEL oil mist	5 mg/m <sup>3</sup> 5mg/m3 10mg/m3
Mixed Esters	Proprietary	3.9	OSHA PEL, oil mist ACGIH TLV oil mist	NOC @ 5 mg/m3 NOC @ 5 mg/m3

**III. HEALTH HAZARD INFORMATION**

<b>Effects of Overexposure</b>
<b>Inhalation:</b> Avoid inhalation. Primary route of entry. Inhalation of mists/ vapors or fumes may cause dizziness, nausea or respiratory tract irritation, May have an anesthetic and other central nervous system effects.
<b>Skin Contact:</b> Avoid skin contact. Primary route of entry. This product may cause irritation 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. If heated a component of this product may cause thermal burns.
<b>Eye Contact:</b> Avoid eye contact. This product may be irritating to the eyes upon direct contact.
<b>Ingestion:</b> Do not ingest. Ingestion of this product may result in gastrointestinal disturbances including irritation, nausea and vomiting. Aspiration into the lungs may cause severe damage. 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 <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 cool water, low pressure 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 waterless hand soap followed by washing with soap and water. If redness or irritation occurs, seek medical attention.

**Inhalation:** 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 immediate medical attention.

**Ingestion:** If swallowed contact a physician or poison control immediately. 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> > 220 °F Closed Cup	<b>Auto-ignition Temperature °F:</b> 428 °F (220 °C)	
<b>Flammable Limits in Air (% Volume)</b>	<b>Lower Limit:</b> No Data	<b>Upper Limit:</b> No Data
<b>Extinguishing Media:</b> Use water spray or fog, foam, CO <sub>2</sub> , or dry chemical extinguishing media. Avoid using a direct stream of water.		
<b>Special Fire Fighting Procedures:</b> Firefighters wear full protective clothing including self-contained positive pressure/ pressure demand breathing apparatus. Water may be used to cool containers exposed to heat or flame. Caution should be used as frothing may occur, especially if sprayed into containers of hot, burning liquid.		
<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. After prolonged contact with rags and other porous materials, this product may spontaneously combust		

#### VI. ACCIDENTAL RELEASE

**Steps to be taken in event of spill or release:** Contain spill immediately. Remove all sources of ignition. Ventilate area. Absorb with appropriate inert nonflammable material such as sand, clay, vermiculite etc. Large spills may be diked and then placed in suitable containers for disposal. Small spills: Absorb spill with vermiculite or other inert material, then place in a container for disposal. Follow all local, state and Federal regulations for disposal. Clean surface thoroughly to remove residual contamination. After prolonged contact with rags and other porous materials, this product may spontaneously combust. Do not allow spill to enter sewers or watercourses.

#### VII. HANDLING AND STORAGE

**Handling and Storage:** Store in tightly closed containers in a cool, well-ventilated area. Avoid breathing vapor, mist or fumes. Avoid contact with skin and eyes. Use protective clothing and gloves when handling. Store in closed containers away from heat, open flame, sparks or oxidizing materials. Fire extinguisher should be kept readily available. Wash thoroughly after handling. Never eat, drink or smoke in work areas. After prolonged contact with rags and other porous materials, this product may spontaneously combust.

**Other Precautions:** For industrial use only. Do not ingest. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor. Do not transfer to unmarked containers. Empty containers retain residue and can be dangerous. Do Not pressurize, cut, weld drill, or expose containers to heat, flame or sparks. Containers may explode and cause injury or death. Do Not reuse empty containers for other purposes.

#### 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:** If vapor or mist is generated when the material is heated or handled, above the TLV or PEL, a full face air respirator in positive pressure mode or self contained breathing apparatus with positive pressure mode is recommended. NIOSH/ MSHA approved (or equivalent) respirator is recommended. Refer to NIOSH guidelines for respiratory protection.

**Skin:** Use chemical resistant gloves when handling this product. Safety showers are recommended.  
**Eye:** If material is handled such that it could be splashed into eyes, wear face shield or splash-proof safety chemical glasses or goggles. Eye wash stations are recommended.

**IX. PHYSICAL AND CHEMICAL DATA**

<b>Boiling Range °F:</b> > 400°F	<b>Vapor Density (Air = 1):</b> > 1
<b>Relative Density (H<sub>2</sub>O = 1):</b> 0.845	<b>Vapor Pressure (mm Hg @68°F):</b> 0.1
<b>Material Density Lbs./Gal:</b> 7.04	<b>Solubility in Water:</b> Insoluble
<b>%Volatiles by Weight:</b> 26.0	<b>% Solids by Weight:</b> 74.0
<b>VOC: lbs/gal:</b> 1.83 g/L: < 220	<b>Appearance/Odor:</b> Pale straw-colored liquid

**X. STABILITY AND REACTIVITY INFORMATION**

<b>Stability (Thermal, Light, etc.):</b> Stable	<b>Conditions to avoid:</b> Excessive heat, sparks, flame, sources of ignition.
<b>Hazardous Polymerization:</b> Will not occur.	<b>Materials to avoid:</b> Strong oxidizers such as liquid chlorine, concentrated oxygen, NA or CA Hypochlorite, etc.
<b>Hazardous Decomposition Products:</b> CO <sub>2</sub> , CO, 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

Components of this product:  
 Technical white oil 8042-47-5  
 Dermal LD50: > 2g/kg  
 LC50= No information available  
 Oral LD50: > 5 g/kg rat

**XII. ECOLOGICAL INFORMATION**

This product has not been evaluated at this time. As with all products and chemicals, Do not allow to enter waterways, drains or sewers.

**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  
**OSHA:** Class III B  
**DOT:** Not Regulated

**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.

**TSCA Section 8(b) Inventory Status:**  
 All component(s) of this product are either exempt or listed on the TSCA Inventory.

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

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

**SARA Section 302 - Extremely Hazardous Substances (EHS):**

This product does not contain any components regulated under Section 302 (40 CFR 355) as EHS.

**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. 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

