

**Material Safety Data Sheet # 380**  
**For Printing Inks and related Materials**  
**OSHA Hazard Communication Standard, 29 CFR 1910.1200**

Date revised: 10/15/09  
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 MSDS #: 380

**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>2</td></tr> <tr><td>Reactivity</td><td>1</td></tr> <tr><td>Personal Protection</td><td>B</td></tr> </table>	Health	1	Flammability	2	Reactivity	1	Personal Protection	B
Health	1								
Flammability	2								
Reactivity	1								
Personal Protection	B								
<b>Product Class:</b> Blanket & Roller Wash	<b>Manufacturer's code:</b> S-1660								
<b>Trade Name:</b> Gans Citro Klene									

**II. COMPOSITION / INGREDIENTS**

Material	CAS #	%	Exposure Limits	Units
Parachlorobenzotrifluoride	98-56-6	5 – 25	OSHA PEL Not Established ACGIH / TLV Not Established	
Mineral Oil	8042-47-5	40 – 70	Oil mist, ACGIH / TLV TWA 5 mg/m3 STEL 10 mg/m3	
D'Limonene	94266-47-4	1 – 15		
n-Propoxypropanol	1569-01-3	1 – 15	OSHA / PEL Not Established ACGIH / TLV Not Established	

**III. HEALTH HAZARD INFORMATION**

<b>Effects of Overexposure</b>
<b>Inhalation:</b> Avoid inhalation. Acute overexposure may result in irritation of the throat and lungs. Pre-existing respiratory disorders may be aggravated. Chronic exposure to high concentrations of aerosols or mists to laboratory animals has resulted in non-specific symptoms related to the nervous system, gastrointestinal tract, and lungs. May cause CNS (central nervous system) depression. Which may be evidenced by giddiness, headache, dizziness and nausea; in extreme cases, unconsciousness and death may occur. Chronic; Prolonged or repeated exposure may result in damage to central nervous system, liver and kidneys.
<b>Skin Contact:</b> Avoid skin contact. May be absorbed through the skin and cause irritation. This product is irritating to the nose. 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.
<b>Eye Contact:</b> Avoid eye contact. This product may be irritating to the eyes upon direct contact. Exposure to high concentrations of vapors may be irritating to the eyes. Pre-existing eye disorders may be aggravated.
<b>Ingestion:</b> Do not ingest. May be harmful if swallowed. 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.

<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. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. <b>Get Medical attention immediately.</b>
<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> 109 °F TCC		<b>Auto-ignition Temperature °F:</b> No Data	
<b>Flammable Limits in Air (% Volume)</b>	<b>Lower Limit:</b> 0.7	<b>Upper Limit:</b> 16.9	
<b>Extinguishing Media:</b> Use water fog, Alcohol foam, CO <sub>2</sub> , or dry chemical extinguishing media. <b>Special Fire Fighting Procedures: Combustible!!</b> Use self contained breathing apparatus. Water may be used to cool closed containers to prevent pressure build-up. <b>Unusual Fire &amp; Explosion Hazard:</b> Fire- exposed containers should be cooled with water to prevent pressure build- up which could result in container rupture. 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> Remove all sources of ignition and provide ventilation. Large spills may be pumped to salvage vessels. Small spills may be picked up with an absorbent material and placed in a suitable container.
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#### VII. HANDLING AND STORAGE

<b>Handling and Storage:</b> Store in containers in a cool, well-ventilated area. Keep containers closed when not in use. Keep away from heat, sparks and open flame. Use with adequate ventilation. Ground equipment to prevent accumulation of static charge. Do not cut, weld, drill or grind on or near containers. 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.
<b>Other Precautions:</b> For industrial use only. Do not ingest. Always wash hands and face with soap and water before eating, drinking, and smoking.

#### VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Ventilation Requirements:</b> Use explosion – proof ventilation as required, to control vapor concentrations.
<b>Personal Protective Equipment</b>
<b>Respirator:</b> Use self- contained breathing apparatus where vapor concentrations may be above TLV limits. Where vapor does not exceed TLV limits, use NIOSH / MSHA approved respirator.
<b>Skin:</b> Use chemical resistant gloves. Safety showers should be provided. Wash hands thoroughly before eating or using the washroom. Smoke in smoking areas only.
<b>Eye:</b> Eye protection is required. Wear safety glasses, splash goggles or face shield. Contact lenses should not be worn. Eye wash stations should be provided.

### IX. PHYSICAL AND CHEMICAL DATA

<b>Boiling Range °F:</b> 282 – 590 ° F	<b>Vapor Density (Air = 1):</b> Heavier than air
<b>Relative Density (H<sub>2</sub>O = 1):</b> 0.92	<b>Vapor Pressure (mm Hg @ 70°F):</b> N/A
<b>Material Density Lbs./Gal:</b> 7.68	<b>Solubility in Water:</b> Slightly soluble
<b>% Volatile Organic Compounds (VOC) by weight:</b> 10.3  % VOC + % water + % exempt compounds: 35	<b>Evaporation Rate:</b> Slower than ether
<b>VOC: Lb/gal:</b> 0.79 g/L: 95  <b>VOC + water + exempt compounds: Lbs/Gal:</b> 2.69 g /L : 322	<b>Appearance/Odor:</b> Clear liquid / Solvent odor
This product contains solvent that is VOC exempt by SCAQMD Rule 102; and BAAQMD Regulation 8, Rule 20.	

### X. STABILITY AND REACTIVITY INFORMATION

<b>Stability (Thermal, Light, etc.):</b> Stable	<b>Conditions to avoid:</b> Excessive heat, open flame and sparks.
<b>Hazardous Polymerization:</b> Will not occur.	<b>Materials to avoid:</b> Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b> Thermal decomposition may yield carbon dioxide and / or carbon monoxide.	

### XI. TOXICOLOGICAL INFORMATION

<b>CARCINOGEN:</b> This product has not been identified as a carcinogen by OSHA or the National Toxicology Program (NTP). IARC Monographs: Carcinogenic effects: 3 (not classified for human) by 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.
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### XIII. DISPOSAL INFORMATION

<b>Waste Disposal Method:</b> Place in tightly closed containers and dispose of in accordance with local, state, and federal regulations.
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### XIV. TRANSPORT INFORMATION

<b>Flammability Classification:</b>	Combustible Liquid
<b>OSHA:</b>	Class II
<b>DOT:</b>	Combustible Liquids, N.O.S. (Parachlorobenzotrifluoride, n-Propoxypropanol) 2, PG III

### XV. REGULATORY INFORMATION

<b>SARA Title III Section 313:</b> This material contains a chemical subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.		
<u>Chemical</u>	<u>CAS#</u>	<u>%</u>
Parachlorobenzotrifluoride	98-56-6	5 – 25
<b>TSCA Section 8(b) Inventory Status:</b> All component(s) of this product are either exempt or listed on the TSCA Inventory.		

**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)

**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.