

I. PRODUCT IDENTIFICATION

<p>Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033</p> <p>Emergency phone: (323) 264-2200</p>	<p align="center">HMIS HAZARD IDENTIFICATION</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								
Product Class: Plate Cleaner	Manufacturer's code: S-1858								
Trade Name: CTP Scratch Remover									

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Aliphatic Petroleum Distillate	64742-88-7	0 – 10	OSHA PEL	100 ppm
Aromatic Petroleum Distillate	64742-95-6	< 5	OSHA PEL	N E
Mixture may include:				
Cumene* --- Skin notation	98-82-8	< 1	OSHA PEL Z1 ACGIH TLV	50 ppm 50 ppm
Xylene (mixed isomers)*	1330-20-7	< 1	OSHA PEL Z1 ACGIH TLV Z1 ACGIH STEL	100 ppm 100 ppm 150 ppm
1,2,4- Trimethylbenzene*	95-63-6	< 5	OSHA PEL Z1A ACGIH TLV	25 ppm 25 ppm
1,3,5-Trimethylbenzene	108-67-8	< 1	OSHA PEL Z1A	25 ppm
Diethylbenzene	25340-17-4	< 1		
Phosphoric Acid	7664-38-2	< 5	OSHA STEL ACGIH STEL	3 ppm 3 ppm
Sodium Hydroxide 50 % solution	1310-73-2	< 5	OSHA PEL ACGIH TLV	N E N E
Sodium Nitrate	7631-99-4	< 5	OSHA PEL ACGIH TLV	N E N E
Sodium Hexametaphosphate	68915-31-1	< 5	OSHA PEL 15 mg/m3 total dust ACGIH TLV 10 mg/m3 Inhalable	
* See Section XV for regulatory information				
The components above are identified as Hazardous chemicals based upon the criteria of the OSHA Hazard Communication Standard (29CFR 1910.1200).				
NE= Not Established				

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
<p>Inhalation: Avoid inhalation. Irritating to the respiratory system. May cause headache, dizziness and anesthetic effects, CNS depression. Acute overexposure: Inhalation of excessive concentrations of vapors or mist may cause irritation of nose, throat and lungs, drowsiness, loss of coordination, headaches and fatigue. Breathing high concentrations in an enclosed space or intentional misuse can cause irregular heartbeats which can cause death. Significant chronic exposure may aggravate existing respiratory system and CNS conditions. Reports have associated repeated and prolonged overexposure to solvents with irreversible brain and nervous system damage, sometimes referred to as “Solvent or Painter’s syndrome”.</p>
<p>Skin Contact: Avoid skin contact. This product is irritating 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 be absorbed through intact skin; however, single, prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.</p>
<p>Eye Contact: Avoid eye contact. This product is irritating to the eyes upon direct contact. Significant chronic exposure may aggravate existing eye conditions. Exposure to high concentrations of vapors may be irritating to the eyes.</p>
<p>Ingestion: Do not ingest. Aspiration hazard. May result in nausea, vomiting, diarrhea, possible chemical pneumonitis if aspirated into lungs. Significant chronic exposure may aggravate preexisting kidney and liver conditions. .See <i>Notes to Physician</i> section below.</p>

IV. FIRST AID PROCEDURES

Emergency & First Aid Procedures
<p>Eyes: Immediately flush eyes with large amounts of water and continue flushing for 15 minutes. Seek immediate medical attention.</p>
<p>Skin: Remove contaminated clothing, launder before reuse. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.</p>
<p>Inhalation: Immediately remove to fresh air. Seek medical attention.</p>
<p>Ingestion: Do not induce vomiting. DO NOT drink water. Seek immediate medical attention.</p>
<p>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.</p>

V. FIRE AND EXPLOSION DATA

Flash Point °F: > 200 °F Closed Cup	Auto-ignition Temperature °F: Not Established	
Flammable Limits in Air (% Volume)	Lower Limit: Not Established	Upper Limit: Not Established
<p>Extinguishing Media: Use water spray, foam, or dry chemical extinguishing media to cool exposed surfaces. OSHA Class III B Combustible Liquid.</p> <p>Special Fire Fighting Procedures: Evacuate area and fight fire from a safe distance if fire is contained in small area, otherwise call fire department. Firefighters wear self contained breathing apparatus and protective clothing.</p> <p>Unusual Fire & Explosion Hazard: Under fire conditions, hazardous fumes may be present. Vapors are heavier than air and may accumulate in low or inadequately ventilated areas. Dense smoke may be generated while burning; carbon dioxide, carbon monoxide, and other oxides may be generated as products of combustion. Fire run-off can damage the environment.</p>		

VI. ACCIDENTAL RELEASE

<p>Steps to be taken in event of spill or release: Wear protective gloves and eye protection. For small spills, stop source of leak or spill. Isolate leak or spill by diking, and / or add dry absorbent such as sand, clay,</p>
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vermiculite etc. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before reuse. Discard contaminated leather shoes. For larger spills requiring emergency response, follow OSHA emergency response regulations and NIOSH recommendations. If possible, stop source of spill or release. Isolate the area of spill or release by diking to prevent it from entering sewers, drains or waterways. Clean up and place in an appropriate container for disposal. Dispose in accordance with local, state and federal regulations.

VII. HANDLING AND STORAGE

Handling and Storage: Use only with adequate ventilation. Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Wash thoroughly after handling. Consumption of food and beverages should be avoided in work areas. Avoid using in areas with open flames, welding arcs, extreme heat or sparks. Keep containers closed when not in use. Avoid storage with acids / bases and strong oxidizers. Containers of this material may be hazardous when emptied. Since empty containers retain residues (vapors, liquid, and or solid) all hazardous precautions given in this data sheet must be observed.

Other Precautions: For industrial use only. Do not ingest. 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. Good general ventilation should be sufficient for most operations. Ten or more room air changes per hour containing a minimum of 15% fresh air are recommended.

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: Gloves that are impervious to the hazardous ingredients are recommended. Safety showers are recommended.

Eye: Eye protection is required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety glasses or goggles. Eye wash stations are recommended.

IX. PHYSICAL AND CHEMICAL DATA

Boiling Range °F: 212 – 554 °F	Vapor Density (Air = 1): < 1
Relative Density (H₂O = 1): 1.005 @ 60 °F	VOC Composite Vapor Pressure: 0.8 mm Hg @ 68 °F(20 °C)
Material Density Lbs./Gal: 8.37	Solubility in Water: Emulsifies
% Volatile Organic Compounds (VOC) by Weight: 9.80	Viscosity: Not Established pH: 3.5 Freezing Point: Not available
VOC: lbs/gal: 0.82 USEPA Method 24 g/L: 0.98	Appearance/Odor: White creamy liquid with mild solvent odor

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable	Conditions to avoid: Excessive heat and all potential sources of ignition.
Hazardous Polymerization: Will not occur.	Materials to avoid: Contact with oxidizers and strong acids / bases.
Hazardous Decomposition Products: Includes but not limited to smoke, fumes, ammonia, oxides of CO ₂ , CO, nitrogen, sulfur and amines 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

LD50 Oral: rat: No data available

Acute Overexposure: Skin, eye, mucous membrane and respiratory tract irritant; allergic reaction to gum Arabic may cause respiratory distress and sensitivity.

Chronic overexposure: Prolonged or repeated contact may cause skin sensitization. Chronic overexposure to aliphatic petroleum distillates has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans. Reports have associated repeated and prolonged overexposure to solvents with irreversible brain and nervous system damage, sometimes referred to as "Solvent or Painter's syndrome".

Overexposure to the aromatic petroleum distillate (or its components) has been suggested as a cause of the following effects in laboratory animals; cataracts; mild, reversible kidney effects; and blood abnormalities. Overexposure to the aromatic petroleum distillate (or its components) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus only occurs at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

XII. ECOLOGICAL INFORMATION

Ecotoxicity Data: No data available.

Chemical Fate Data: No data available

As with all chemicals and products, Do Not allow this product 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 Liquid

OSHA: Class III B

DOT Proper Shipping Name (Ground): Not Regulated (Chemicals, N.O.I.)

ICAO / IATA Proper Shipping Name (Air): Not Regulated (Chemicals, N.O.I.)

IMO / IMDG Proper Shipping Name (Sea): Not Regulated (Chemicals, N.O.I.)

XV. REGULATORY INFORMATION

U.S. Federal Regulations

SARA Title III Section 313:

This material may contain chemicals subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.

Chemicals	CAS#	%
Cumene	98-82-8	~ 0.1
Xylene (mixed isomers)	1330-71-6	~ 0.1
1,2,4- Trimethylbenzene	95-63-6	~ 1.1

SARA Section 302 - Extremely Hazardous Substances (EHS):

This product does not contain greater than 1.0% of any chemical substance on the SARA EHS list.

Clean Air Act - Hazardous Air Pollutants (HAP):

This product contains the following chemicals listed as HAP under the U.S. Clean Air Act Section 112 (40

CFR 61)

Chemicals	CAS#	%
Cumene	98-82-8	~ 0.1
Xylene (mixed isomers)	1330-71-6	~ 0.1

TSCA Section 8(b) Inventory Status:

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

U.S. State Regulations

California Proposition 65:

This product contains a chemical(s) known by the state of California to cause cancer and/or reproductive harm.

Chemicals	CAS#	%
Cumene	98-82-8	~ 0.1

International Regulations

Canada

DSL (Canadian Domestic Substances List) NDSL (Non Domestic Substance List):

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

WHMIS (Workplace Hazardous Materials Information System) Classification:

Class D2B Toxic Material

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

