

Material Safety Data Sheet # 256
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

Date of preparation: 11/19/09
MSDS #: 256

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"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Flammability</td> <td>2</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>B</td> </tr> </table>	Health	1	Flammability	2	Reactivity	0	Personal Protection	B
Health	1								
Flammability	2								
Reactivity	0								
Personal Protection	B								
<p>Product Class: Blanket & Roller Wash Solvent Blend</p>	<p>Manufacturer's code: S-1635</p>								
<p>Trade Name: 1171 Auto Wash</p>									

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Aliphatic hydrocarbon	64742-48-9	60 - 70	OSHA / PEL ACGIH/TWA	500 ppm 100 ppm
*Aromatic hydrocarbon Mixture may include :	64742-95-6	0 – 10	Not Established	
Xylene (mixed isomers)	1330-20-4	< 1.0	OSHA/PEL Z1 ACGIH/TLV ACGIH/STEL	100 ppm 100 ppm 150 ppm
Cumene	98-82-8	< 1.0	OSHA/ PEL skin Z1 ACGIH/ TLV	50 ppm 50 ppm
1,2,4-Trimethyl Benzene	95-63-6	< 5.0	OSHA/PEL (Z1A) ACGIH / TLV	25 ppm 25 ppm
1,3,5-Trimethylbenzene	108-67-8	< 1.0	OSHA / PEL (Z1A) ACGIH / TLV	25 ppm 25 ppm
Alkanolamide Mixture		5 – 15	OSHA/ PEL ACGIH	Not Established
Oleic Acid	112-80-1		OSHA / PEL	2mg/m3
Oleamide DEA	93-83-4			
Diethanolamine	111-42-2			
Alkylbenzenesulfonic Acid	68584-25-8	0 – 10	OSHA/ PEL ACGIH	Not Established

III. HEALTH HAZARD INFORMATION

<p>Effects of Overexposure</p>
<p>Inhalation: Avoid Inhalation. May cause irritation of the throat, lungs and respiratory tract. May cause headache, dizziness, anesthetic effects, CNS depression. May cause liver and kidney damage. Breathing high concentrations in an enclosed space or by intentional abuse can cause irregular heartbeats, which can cause death. Reports have associated repeated and prolonged overexposure to solvents with irreversible brain and nervous system damage, sometimes referred to as “Solvent or Painters Syndrome”. Chronic exposure to high concentrations of aerosols or mists to laboratory animals has resulted in non-specific</p>

symptoms related to the nervous system, gastrointestinal tract, and lungs.
Skin Contact: Avoid skin contact. One or more components of this material is a skin 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. Pre-existing skin conditions may make the skin more susceptible and facilitate uptake by this route.
Eye Contact: Avoid eye contact. This product is irritating to the eyes upon direct contact. Exposure to high concentrations of vapors may be irritating to the eyes.
Ingestion: Do not ingest. May cause nausea, vomiting, diarrhea, possible chemical pneumonitis if aspirated into the lungs. 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. Seek immediate medical attention.
Skin: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.
Inhalation: 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. Do Not drink water. 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: 107 F	Auto-ignition Temperature °F: Not Established
Flammable Limits in Air (% Volume)	Lower Limit: Not Established Upper Limit: Not Established
Extinguishing Media: Use water fog, foam, CO ₂ , or dry chemical extinguishing media.	
Special Fire Fighting Procedures: Water may be used to cool containers exposed to heat or flame. OSHA Combustible Class II Combustible Liquid. Firefighters wear self-contained breathing apparatus and protective clothing.	
Unusual Fire & Explosion Hazard: Vapors are heavier than air and may accumulate in low or inadequately ventilated areas. Vapors may travel along the ground to be ignited at locations distant from handling site. Flashback or flame to the handling site may occur. 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: Wear protective gloves, apron and eye protection. Stop sources of leak or spill. Isolate spill, ventilate area. Absorb spill with inert material such as sand, clay, vermiculite etc. Scrape up with trowel or scoop and place in a suitable container. Clean up with a suitable solvent. Wash all contaminated clothing before reuse. Do not allow to enter sewers, drains, waterways.

VII. HANDLING AND STORAGE

Handling and Storage: Store in containers in a cool, well-ventilated area. Keep away from all sources of ignition, open flame, heat, etc. Avoid using in areas with open flame, welding arcs, extreme heat or sparks. Avoid storage with acids, bases and strong oxidizers. Transfer to bonded and grounded containers only. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor. Containers of this material may be hazardous when empty, since emptied containers retain product residues, vapors, liquid..

Other Precautions: For industrial use only. Do not ingest. Always wash hands and face with soap and water before eating, drinking, and smoking. Consumption of food and beverages should be avoided in work areas where hydrocarbons are present.

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. Ten or more room air changes per hour containing a minimum of 15% fresh air is 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: Impervious synthetic rubber gloves are recommended.

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

IX. PHYSICAL AND CHEMICAL DATA

Boiling Range °F: 310 – 405 F	Vapor Density (Air = 1): Not available
Relative Density (H₂O = 1): 0.83	Vapor Pressure (mm Hg @ 68°F): 2.0
Material Density Lbs./Gal: 6.91	Solubility in Water: Emulsifies
Viscosity: Not Established	Coefficient of Water/ Oil Distribution: Not Available
% Volatile Organic Compounds (VOC) by Weight: 70.9	Freezing Point: Not available
VOC: lbs/gal: 4.9 g/L: 588	pH: Not available
	Appearance/Odor: Pale liquid/ solvent odor.

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable	Conditions to avoid: Excessive heat and open flame, all sources of ignition.
Hazardous Polymerization: Will not occur.	Materials to avoid: Strong oxides and strong bases.
Hazardous Decomposition Products: CO ₂ , CO, and oxides of nitrogen and smoke 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

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 liver effects; 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 occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

XII. ECOLOGICAL INFORMATION

This product has not been evaluated at this time. As with all chemicals, DO NOT allow to enter sewers, waterways, drains etc.

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. D001 Ignitable characteristic.

XIV. TRANSPORT INFORMATION

Flammability Classification: Combustible Liquid
OSHA: Class III B
DOT Shipping: Combustible Liquid n.o.s. (Petroleum Distillates)
Combustible Liquid NA 1993 PG III (ERG#128) for bulk shipments (>119- gallons): less than bulk quantities are not regulated.

ICAO/ IATA (air): Not available
IMDG (sea): Not available

XV. REGULATORY INFORMATION

SARA Title III Section 313:

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

<u>Chemical</u>	<u>%</u>
1,2,4- Trimethylbenzene	~ 4.4
Cumene	< 1.0
Xylene	< 1.0

SARA Section 302 - Extremely Hazardous Substances (EHS):

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

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)

Cumene
Xylene

International Regulations:

TSCA Section 8(b) Inventory Status:

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

WHMIS (Workplace Hazardous Materials Information System) Ingredient Disclosure List:

WHMIS Classification: Class B Combustible Material; Class D2B Toxic Material

Canadian DSL / NDSL Inventory:

Components of this product are listed either on the Domestic Substance List (DSL) or the Non- Domestic Substance List (NSDL).

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.