

Material Safety Data Sheet #308
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

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 MSDS#: 308

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" style="margin-left: auto; margin-right: auto;"> <tr><td>Health</td><td style="text-align: center;">2</td></tr> <tr><td>Flammability</td><td style="text-align: center;">2</td></tr> <tr><td>Reactivity</td><td style="text-align: center;">1</td></tr> <tr><td>Personal Protection</td><td style="text-align: center;">C</td></tr> </table>	Health	2	Flammability	2	Reactivity	1	Personal Protection	C
Health	2								
Flammability	2								
Reactivity	1								
Personal Protection	C								
Product Class: Plate Cleaner:	Manufacturer's code: S -1832								
Trade Name: Digital Plate Cleaner									

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Aliphatic Hydrocarbon	8052-41-3	15 - 30	OSHA TWA/ PEL ACGIH TLV/ TWA ACGIH STEL/ TLV	500 ppm 100 ppm 200 ppm
Phosphoric Acid	7664-38-2	5 – 10	OSHA PEL ACGIH TLV/ TWA ACGIH STEL/ TLV	NE 1 mg/cm3 3 mg/cm3
Sodium Hydroxide	1310-73-2	1 – 5	OSHA PEL ACGIH TLV/ TWA ACGIH STEL/ TLV	2 mg/m3 2 mg/m3 NE

The components listed are identified as hazardous chemicals based upon the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

NE= Not Established

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: Inhalation of excessive concentrations of vapors or mist may cause irritation of nose and throat, drowsiness, loss of coordination, headaches and fatigue. Acute overexposure may result in irritation of the throat and lungs. 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.
Skin Contact: Avoid skin contact. Skin contact is expected to be the primary route of occupational exposure. One or more components of this material are 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. This product may be absorbed through the skin. No chronic health hazards are associated with the components present in this product.
Eye Contact: Avoid eye contact. One or more components of this product is an eye irritant. Direct contact

with the liquid or exposure to vapors or mists may cause stinging, tearing and swelling. Exposure to high concentrations of vapors may be irritating to the eyes.

Ingestion: Do not ingest. (Swallowing) One or more components of this product are toxic by ingestion. Symptoms of toxicity include: abdominal pain, nausea, vomiting, drowsiness, dizziness, malaise, and loss of coordination, fatigue, possible blood disorders, and kidney and liver damage.
One or more components of this product is an Aspiration Hazard and can enter the lungs during swallowing or vomiting and cause lung inflammation and damage. May aggravate existing kidney disease.
See *Notes to Physician* 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. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If skin is damaged, apply a dressing and seek medical attention. Wash clothing before future reuse.

Inhalation: 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. If patient is fully conscious, give him two glasses of water.

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.

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

V. FIRE AND EXPLOSION DATA

Flash Point °F: 115 °F	Auto-ignition Temperature °F: No Data	
Flammable Limits in Air (% Volume)	Lower Limit: No Data	Upper Limit: No Data
Extinguishing Media: Use a universal type foam, CO ₂ , or dry chemical extinguishing media. Water may be ineffective, Special Fire Fighting Procedures: Fire fighters use self-contained breathing apparatus and protective gear. Water may be unsuitable as an extinguishing medium, but can be used to cool containers exposed to heat or flame. May produce hazardous gases during fire conditions. Unusual Fire & Explosion Hazard: This material is combustible and may be ignited by heat or flame. This material will burn, but not ignite readily. Avoid spreading burning liquid with water. 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: Keep unnecessary personnel away from spill area. Ventilate area of spill. Use appropriate personal protective equipment. Absorb small spills with an inert absorbent material such as vermiculite, sand, dirt, etc. (If large spill, dike area.). Scrape up with trowel or scoop and place in a suitable container for disposal. Dispose in accordance with local, state and federal regulations. Do Not flush with water. Wash contaminated clothing before reuse and discard leather shoes. Keep all materials out of drains, sewers, or waterways

VII. HANDLING AND STORAGE

Handling and Storage: Store in containers in a cool, well-ventilated area. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor. Keep containers closed when not in use. Do not store in areas with excessive hot or cold temperatures. Protect from temperatures above 105 °F / 40 °C or below 10° F / -12 °C. Protect from freezing. Wear chemical safety goggles or glasses, apron and impervious gloves when handling. Always wash hands and face with soap and water before eating, drinking, and

smoking.

Other Precautions: For industrial use only. Do not ingest. Consumption of food and beverages should be avoided in work areas.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation Requirements: General room ventilation is adequate. 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: The use of impervious gloves is recommended when handling. Use a chemical resistant apron if a splash hazard exists. Provide readily accessible safety showers.

Eye: Eye protection is recommended to prevent eye contact. If material is handled such that it could be splashed into eyes, wear plastic full face shield or splash-proof safety glasses or goggles. Eye protection should meet the specifications of ANSI Z87.1 Eye wash stations are recommended.

IX. PHYSICAL AND CHEMICAL DATA

Boiling Range °F: 212 – 390 °F	Vapor Density (Air = 1): > 1
Relative Density (H₂O = 1): 1.027	Vapor Pressure (mm Hg @ 68 °F): No Data
Material Density Lbs./Gal: 8.55	Solubility in Water: Insoluble
% Volatile Organic Compounds (VOC) by Weight: 19	Evaporation Rate: < Water pH: 2.2 ± 0.2
VOC: lbs/gal: 1.62 g/L: 195	Appearance/Odor: Lt- Dk. Tan Emulsion/ Mild Solvent Odor

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable under normal conditions of storage and intended use.	Conditions to avoid: Avoid excessive heat (> 105°F) and sources of ignition. Avoid storage below 10 °F (-12°C) and above 105°F (40 °C)
Hazardous Polymerization: Will not occur if used and stored as directed.	Materials to avoid: Keep away from strong acids, oxidizers, and strong bases. Keep away from household or industrial bleach products. Toxic gases can occur.
Hazardous Decomposition Products: Oxides of carbon, oxides of sulfur, oxides of nitrogen; Ammonia may be generated as products of combustion.	

XI. TOXICOLOGICAL INFORMATION

CARCINOGEN: This product contains no listed carcinogens according to OSHA, ACIGH, or the National Toxicology Program (NTP), or the International Agency for Research Cancer (IARC) in concentrations of 0.1 percent or greater.

Mutagen: No Data
Teratogen: No Data
Reproductive Toxicity: No Data

Information pertaining to the health effects and toxicity of the “pure” form of the hazardous components identified in Section 2 is presented below. This information reflects the known hazards associated with the components and may not reflect that of the purchased material due to concentration (dilution) effects. Review and interpretation by your Hazard Communication Department is recommended.

	LD50 (Oral Rat)	LC50 (Species)	LD50 (Species)
Aliphatic Hydrocarbon	5 g/kg	Not Available	3 g/kg (Rabbit)

Phosphoric Acid	3500 mg/kg	Not Available	1260 mg/kg (Rabbit)
Sodium Hydroxide	0.24 g/kg	Not Available	Not Available

XII. ECOLOGICAL INFORMATION

Information pertaining to the ecological fate of the “pure” form of the hazardous components identified in Section 2 is presented below. This information reflects the known hazards associated with the components and may not reflect that of the purchased material due to concentration (dilution) effects. Review and interpretation by your Hazard Communication Department is recommended

Ecotoxicity Data: No information available
 Phosphoric Acid 96 – hr LC50 Mosquitofish: practically non – toxic.

Chemical Fate Data: No information available.

As with all chemicals and products, 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. Since empty containers may retain product residues, all hazard precautions given in this data sheet should be observed.

As with all chemicals and products Do Not allow to enter sewers, waterways, drains etc.

XIV. TRANSPORT INFORMATION

Flammability Classification:	Combustible Liquid
OSHA:	Class II
DOT Proper Ship Name (ground):	Paint Related Material, Combustible
Hazard Classification:	Exception § 173.150
DOT Non- Bulk Shipping Name:	Not Regulated
DOT Bulk Shipping:	Paint Related material, Combustible,
UN ID	UN 1263
Packing Group	PG III
DOT Guide:	ERG Guide 111
IMDG Proper Shipping Name (Sea):	Paint related material, 3, UN 1263, PG III
Classification:	Flammable Liquid
UN ID	UN 1263
Packing Group	PG III
IATA Shipping Name (Air):	Paint related material, 3, UN 1263, PG III
Classification:	Flammable Liquid
UN ID	UN 1263, PG III
Packing Group	PG III
TDG Proper Shipping Name (Ground):	Paint Related Material
Classification:	Flammable Liquid
UN ID	UN1263
Packing Group	PGIII

XV. REGULATORY INFORMATION

“Note” Ingredient information listed in this section is provided for reporting requirements as directed by USEPA, state and local regulation. If ingredients are listed in Section 2 but not in this section then the

concentration is below “de minimus” (less than 0.1%).

US Federal Regulations

313 = SARA Title III Section 313(40 CFR 372- Toxic Release Inventory)
355= SARA Section Title III Section 302 (40 CFR 355- Extremely Hazardous Substance)
302= SARA Section Title III Section 304 (40 CFR 302- Hazardous Substance List)
CWA= Clean Water Act Priority Pollutants List
CAA= Clean Air Act 1990Hazardous Air Contaminants
HAP= Clean Air Act, Hazardous Air Pollutants (HAPs)

<u>Chemicals</u>	<u>CAS#</u>	313	355	302	CWA	CAA	HAP
Aliphatic Hydrocarbon	8052-41-3	No	No	No	No	No	No
Phosphoric Acid	7664-38-2	No	No	No	Yes	No	No
Sodium Hydroxide	1310-73-2	No	No	No	Yes	No	No

TSCA Section 8(b) Inventory Status:

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

U.S. State Regulations

States Right To Know List

<u>Chemicals</u>	<u>CAS#</u>	PA	NJ	MN	MI	MA	FL
Aliphatic Hydrocarbon	8052-41-3	Yes	No	Yes	No	Yes	No
Phosphoric Acid	7664-38-2	Yes	No	Yes	Yes	Yes	No
Sodium Hydroxide	1310-73-2	Yes	No	Yes	No	Yes	No

FL= Florida Hazardous Substance List
 MI- Michigan Critical Materials List
 NJ= New Jersey Right- To- Know List

MA= Massachusetts Right- To –Know List
 MN= Minnesota Hazardous Substance List
 PA= Pennsylvania Right-To-Know List

CERCLA Reportable Quantities

Components present which could require reporting under CERCLA 40 CFR 302.4

<u>Chemical</u>	<u>CAS#</u>	<u>CERCLA RQ</u>
Phosphoric Acid	7664-38-2	5,000 lbs.
Sodium Hydroxide	1310-73-2	1,000 lbs.

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.

Coalition of Northeast Governors (CONEG) Legislation:

This product is certified to be in full compliance with CONEG Model Toxics Legislation for packaging and packaging components.

Canadian WHMIS Classification

Components present listed in the WHMIS hazardous ingredient disclosure list.

<u>Chemical</u>	<u>CAS#</u>
Phosphoric Acid	7664-38-2
Sodium Hydroxide	1310-73-2

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.

C

Safety Glasses
Gloves
Apron

