

SAFETY DATA SHEET

SDS PREP DATE: 5/10/2023

SDS REVISION DATE: 5/10/2023

Product ID: **GMS1404G**



GMS Industrial Supply, Inc.
212 Denn Lane, Virginia Beach, VA 23462
(855) GRN-OGER • www.GreenOger.com

0011

24 Hour Emergency Telephone: (800) 424-9300 CHEMTREC

VENTILATION REQUIREMENT: Use adequate level exhaust ventilation. Note: Where carbon monoxide may be generated, special ventilation may be required. Local exhaust recommended when appropriate to control employee exposure.

RESPIRATORY PROTECTION: Based on contamination level and working limits of the respirator, use a respirator approved by NIOSH/MSHA.

EYES: Face shield and goggles or chemical goggles should be worn.

GLOVES: Impervious gloves should be worn. Gloves contaminated with the product should be discarded. Polyfluorinated polyethylene has been suggested.

OTHER CLOTHING EQUIPMENT: Standard work clothing. Standard work shoes; discard if shoes cannot be decontaminated. Store contaminated clothing in well ventilated cabinets or closed containers. Wash contaminated clothing and dry before reuse.

RESPIRATORY PROTECTION: In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH approved organic vapor cartridge or air-supplying respirator should be worn.

Section 8: Exposure Control / Personal Protection

Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands and exposed areas thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

VENTILATION REQUIREMENT: Use adequate level exhaust ventilation. Note: Where carbon monoxide may be generated, special ventilation may be required. Local exhaust recommended when appropriate to control employee exposure.

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RESPIRATORY PROTECTION: In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH approved organic vapor cartridge or air-supplying respirator should be worn.

Section 9: Product Properties

Flash Point (CCP): ND

Boiling Point for Product: ND

Vapor Pressure for Product: ND

Vapor Density for Product: ND

Specific Gravity: ND

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V.O.C.: ND

Water Solubility: ND

Appearance: ND

PH: ND

Section 10: Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID INSTABILITY: Not applicable

HAZARDOUS POLYMERIZATION: Will not occur

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide

Section 11: Toxicological Information

ACETONE 67-64-1

Acute oral toxicity: LD50 Rat: 5,800 mg/kg

Acute inhalation toxicity: LC50 Rat: > 16,000 ppm, 4 h

Acute dermal toxicity: LD50 Rabbit: > 20,000 mg/kg

Single exposure risk: Targets nervous system and may cause drowsiness or dizziness. If a person shows signs of overexposure, remove to fresh air.

MONOETHANOLAMINE 141-43-5

Acute Oral Toxicity: LD50 Rat: 1720 mg/Kg

LD50 Mouse: 700 mg/Kg

Acute Dermal Toxicity: LD50 Rabbit: 1000 mg/Kg

Contains diethanolamine(CAS 111-42-2). Diethanolamine is listed under the 1990 Federal Clean Air Act and the states of Massachusetts and New Jersey as hazardous. The reportable quantity (RQ) under SARA Title III and CERCLA is 100 lb. for Diethanolamine. diethanolamine may form suspected cancer causing nitrosamines if mixed with nitrites. Diethanolamine is regulated under Canada's WHMIS at a threshold level of 1% as an ingredient in mixtures.

POTASSIUM HYDROXIDE, LIQUID 1310-58-3

Acute oral toxicity: LD 50 Rat: 214 mg/kg

When in solution, this material will affect all tissues with which it comes in contact. The severity of the tissue damage is a function of its concentration, the length of tissue contact time, and local tissue conditions. After exposure there may be a time delay before irritation and other effects occur. This material is a strong irritant and is corrosive to the skin, eyes, and mucous membranes. This material may cause severe burns and permanent damage to any tissue with which it comes into contact.

ETHANOL, DENATURED ALCOHOL 64-17-5

Routes of Entry: Inhalation, skin, ingestion.

Health Hazards (acute and chronic): Repeated exposure may exacerbate liver injury produced from other causes. May aggravate existing skin dermatitis.

Oral: May cause nausea, abdominal pain, vomiting, headache, dizziness, shortness of breath, weakness, fatigue, leg cramps, restlessness, confusion, drunken behavior, visual disturbances, drowsiness, coma and death. There may be a delay of several hours between swallowing and the onset of signs and symptoms. The effects observed are in part due to acidosis and partially to cerebral edema. Visual effects include blurred vision, diplopia, changes in color perception, restriction of visual fields and complete blindness. Ingestion of moderate quantities of ethanol also produce metabolic acidosis. Onset of symptoms may be delayed up to 48 hours 60-200 ml of methanol is a fatal dose for most adults. Ingestion of as little as 10 ml may cause blindness.

Dermal: Prolonged or widespread contact may result in the absorption of potentially harmful amounts of material. Repeated contact may cause defatting and drying of the skin.

Inhalation: May cause dizziness, drowsiness, disturbances of vision, tingling, numbness and shooting pains in the hands and forearms. High vapor concentrations may cause a burning sensation in the nose and throat, and stinging and watering in the eyes. At concentrations that cause irritation,

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dizziness, faintness, drowsiness, nausea and vomiting may also occur.

Eyes: Liquid may cause discomfort of the eye with slight excess redness and possibly swelling of the conjunctiva. May cause temporary superficial injury of the cornea.

ACETONE 67-64-1

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Acute inhalation toxicity: LC50 Rat: > 16,000 ppm, 4 h

Acute dermal toxicity: LD50 Rabbit: > 20,000 mg/kg

Single exposure risk: Targets nervous system and may cause drowsiness or dizziness. If a person shows signs of overexposure, remove to fresh air.

Section 12: Ecological Information

ACETONE 67-64-1

Acute and Prolonged Toxicity to Fish

96 h LC 50 Fathead minnow (*Pimephales promelas*), : 8,733 - 9,482 mg/l Mortality

96 h LC 50 Bluegill (*Lepomis macrochirus*), : 8,300 mg/l Mortality

96 h LC 50 Rainbow trout, donaldson trout (*Oncorhynchus mykiss*), : 4,740 - 6,330 mg/l Mortality

Acute Toxicity to Aquatic Invertebrates

No data

Environmental fate and pathways

No data

POTASSIUM HYDROXIDE, LIQUID 1310-58-3

ECOTOXICITY DATA:

Aquatic Toxicity:

This material is alkaline and may raise the pH of surface waters with low buffering capacity.

This material has exhibited moderate toxicity to aquatic organisms.

Freshwater Fish Toxicity:

LC50 (Mosquito fish): 80 mg/L/96 hr (static bioassay in fresh water at 18-19 C)

LC50 (Fathead Minnow): 179 mg/L/96 hr (static at 22.3-24.7 C)

Invertebrate Toxicity:

EC50 (*Daphnia magna*): 60 mg/L/48 hr (static bioassay at 20.3-20.7 C)

Algae Toxicity:

ErC50 (*Selenastrum capricornutum*): 61 mg/L/96 hr (static bioassay at 23-23.9 C)

FATE AND TRANSPORT:

BIODEGRADATION: This material will disassociate into ionic form in the aquatic environment. Natural carbon dioxide will slowly neutralize this material.

BIOCONCENTRATION: This material will not bioconcentrate.

ADDITIONAL ECOLOGICAL INFORMATION: This material has exhibited slight toxicity to terrestrial organisms.

ECOLOGICAL HAZARDS: This material has exhibited moderate toxicity to aquatic organisms.

ETHANOL, DENATURED ALCOHOL 64-17-5

EC50 *Daphnia magna* 1 9268 - 14221 mg/l (Exposure time: 48 h - Species: *Daphnia magna*)

LC 50 Fish 2 > 100 mg/l (Exposure time: 96 h - Species: *Pimephales promelas* [static])

ErC50 (algae) 1000 mg/l

ACETONE 67-64-1

Acute and Prolonged Toxicity to Fish

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If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified in Section III with an "*". Additional ecological information is Not Determined.

Section 13: Disposal Information

Dispose of contents/container in accordance with local regulations.

WASTE DISPOSAL METHOD: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers can not be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and local disposal authorities for approved procedures.

Section 14: Transportation Information

DOT Proper Shipping Name: UN1993

Flammable Liquid N.O.S
(Ethanol And Acetone)

Section 15: Regulatory Information

	CAS#	PEL	TLV
ACETONE	67-64-1	TWA 1000 PPM	TWA 750 PPM STEL 1000 PPM
MONOETHANOLAMINE	141-43-5	6 PPM TWA	6 PPM TWA
POTASSIUM HYDROXIDE, LIQUID	1310-58-3	NOT ESTABLISHED	NOT ESTABLISHED
ETHANOL, DENATURED ALCOHOL	64-17-5	1,000 ppm	1,000 ppm

State of California SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986.

WARNING: IN ACCORDANCE WITH PROP 65, THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS AND OTHER REPRODUCTIVE HARM.

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified above with an "*".

All material components are listed in the U.S. TSCA inventory.

Section 16: Other Information

Consumer Product Safety Act Certificaton.

This product was evaluated by the Company listed above and is certified to be in compliance with the provisions of the Consumer Product Safety Act, the Federal Hazardous Substances Act, and the Poison Prevention Packaging Act, as applicable. This product was manufactured at the location identified on the SDS. The date of manufacture is stamped on the product container. No testing is required to certify compliance with the above mentioned regulation.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.