

MATERIAL SAFETY DATA SHEET

Distributed By: WATERLESS CO. • (800) 244-6364
CHEMTEL—24 Hour Emergency Response (800) 255-3924

TRADE NAME: **GreenClean™**
 CHEMICAL OR COMMON NAME:
 Water Based Mineral Acid/Surfactants

HAZARDOUS COMPONENTS				
MATERIAL	CAS #	%	TLV(ppm)	OTHER
1. Phosphoric Acid*	7664-38-2	2-6	1 mg/cubic meter	
2. Hydrochloric Acid*	7647-01-0	1-4	7 mg/cubic meter	

***These chemicals are subject to the reporting requirements of Section 313 of SARA Title III.**

PHYSICAL DATA	
BOILING PT(Deg F): > 212 F	FREEZE PT(Degrees F): < 32
SPECIFIC GRAVITY: 1.03	SOLUBILITY IN WATER: 100%
APPEARANCE: Green liquid	VOLATILES(% by WT.): 92
PERCENT ACTIVE : 8	VAPOR DENSITY(AIR=1): over 1
VAPOR PRESSURE(@ 68 Degrees F): <17 mm Hg	ODOR: Floral
EVAPORATION RATE(BUTYL ACETATE=1): <1	pH < 1
> means greater than; < meand less than	VOC: N/A

***These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

FIRE AND EXPLOSION HAZARD INFORMATION	
FLASH POINT (Degrees F Setaflash): Over 212	AUTOIGNITION TEMP (Degrees F): No Data
FLAMMABLE LIMITS IN AIR Volume %: Lower: No Data	Upper: No Data
EXTINGUISHING MEDIA: WATER SPRAY, FOAM, CO2, DRY CHEMICAL.	
SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with a full facepiece in positive pressure mode.	

NFPA HAZARD RATING

Health (blue): 2	Flammability(red): 0	Reactivity (yellow): 0
Least - 0	Slight - 1	Moderate - 2
	High - 3	Extreme -4

HEALTH HAZARD DATA
***It is important to determine whether exposure is to concentrated or dilute product. The information included in this document is intended to deal with exposure to concentrated product. Generally, exposure to diluted product will result in substantially <u>less</u> risk of injury than described herein.
PRINCIPLE ROUTES OF EXPOSURE: Inhalation, skin or eye contact.
SYMPTOMS OF ACUTE OVEREXPOSURE:
CONTACT WITH EYES: Irritation, possible burns, depending on length of contact.
CONTACT WITH SKIN: Prolonged or repeated contact may cause irritation and/or possible burns.
INHALATION: Irritation or burns with extended contact. Breathing high concentrations of the vapor, mists, or sprayed compound may cause irritation.
INGESTION: Swallowing may cause burns to mouth, may irritate throat, esophagus and digestive tract, may result in nausea or vomiting.
SYMPTOMS OF CHRONIC OVEREXPOSURE: Moderately toxic with ingestion or repeated inhalation. Causes burns to exposed tissue with prolonged or repeated contact.

EMERGENCY AND FIRST AID PROCEDURES

EYES: In case of contact immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

SKIN: Wash affected skin area with soap and water. Wash contaminated clothing before re-use.

INHALATION: If discomfort is experienced, remove to fresh air. If breathing is difficult, give oxygen and call physician.

INGESTION: Give plenty of water. Do not induce vomiting. Call a physician.

TOXICITY DATA

SUSPECTED CANCER AGENT: NO
PROPOSITION 65: NO

OSHA REGULATED: NO
NTP & IARC: NO

REACTIVITY DATA

STABILITY: This product is stable.

CONDITIONS TO AVOID: Heat, open flame.

MATERIALS TO AVOID: Strong oxidizers, Strong alkalis, extended exposure to metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides. Phosphoric oxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SPILL OR LEAK PROCEDURES

LARGE SPILLS: (Over 55 gallons) Wear rubber boots, gloves, appropriate respirator, and appropriate protective clothing. Shut off source of leak if safe to do so. Dike and contain spill.

SMALL SPILLS: Mop up and rinse area.

WASTE DISPOSAL METHOD: Landfill contaminated absorbent. Avoid land-filling liquids. Dispose of wastes in accordance with federal, state and local regulations. In the event of an uncontrolled release, the user should determine if the release is reportable under applicable laws and regulations.

SPECIAL PROTECTION INFORMATION

STORAGE AND HANDLING PRECAUTIONS: Store in original polyethylene containers in a cool dry area away from BLEACH and other chemicals.

VENTILATION AND ENGINEERING CONTROLS: Mechanical local exhaust ventilation at point of contaminant release.

RESPIRATORY PROTECTION: In confined areas, provide adequate ventilation to lower the concentration of mists. If the product is diluted according to label directions, a respirator is not required.

PROTECTIVE GLOVES: Use of rubber gloves will decrease skin dryness.

EYE PROTECTION: Chemical splash glasses or face shield are advised, particularly when using fully concentrated product.

SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS: CAUTION: CORROSIVE: CONTAINS PHOSPHORIC AND HYDROCHLORIC ACID. WILL CAUSE BURNS. KEEP OUT OF REACH OF CHILDREN. Do not get in eyes, on skin or on clothing. Do not take internally. Avoid breathing mists.

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