



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HYDRO-ETCH 1000

PRODUCT CODES: 1000

MANUFACTURER: KRETETEK INDUSTRIES

STREET ADDRESS: 66 RIVER ROAD

CITY, STATE, ZIP: HUDSON NH 03051

INFORMATION PHONE: 855-573-8383

EMERGENCY PHONE: Chemtrec 800-424-9300

FAX PHONE: 855-573-8383

DATE REVISED: 1/1/19

Chemical Name or Class: Concrete Masonry Cleaner

SECTION 2: HAZARDS IDENTIFICATION

Physical State Liquid

Odor acrid

Classification

Acute toxicity - Inhalation (Dusts/Mists): Category 3

Skin corrosion/irritation: Category 1 Sub-category C

Serious eye damage/eye irritation: Category 1

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

Signal Word

Danger

Hazard Statements

Toxic if inhaled

Causes severe skin burns and eye damage



Precautionary Statements - Prevention

Use only outdoors or in a well-ventilated area

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

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

Precautionary Statements - Response

Immediately call a poison center or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a poison center or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a poison center or doctor/physician
IF SWALLOWED: rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed
Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Toxic to aquatic life with long lasting effects

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OSHA STEL</u>	<u>WEIGHT %</u>
Phosphoric Acid	7664-38-2				Proprietary

*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

Note: Ingredients listed without percentages, the percentages are considered a trade secret.

SECTION 4: FIRST AID MEASURES

First Aid Measures

General Advice

Immediately call a poison center or doctor/physician.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a poison center or doctor/physician.

Ingestion

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

Most important symptoms and effects

Symptoms

Causes severe skin burns and eye damage. Inhalation causes irritation and burning to nose and throat.
Ingestion may cause severe burns to mouth, throat or stomach.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Material is corrosive.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO₂).

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental Precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Soak up with inert absorbent material. Scoop material into suitable container for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling : Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Follow all product label instructions. Use only as directed. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a well-ventilated place. Store in a cool, dry place, out of direct sunlight. Do not freeze, less than or equal to 32° F or heat above 110° F. Keep container tightly closed. Keep out of the reach of children. Keep/store only in original container. Store containers upright. Store locked up.

Incompatible Materials Strong oxidizers. Metals. Do not mix with ammoniated cleaners as harmful fumes may result.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Product name

Phosphoric Acid: 7664-38-2

Exposure limits

ACGIH TLV (United States).

STEL: 3 mg/m³

TWA: 1 mg/m³

OSHA PEL (United States).

TWA: 1 mg/m³ (vacated)

TWA: 1 mg/m³ (vacated)

STEL: 3 mg/m³

NIOSH REL (United States).

IDLH: 1000 mg/m³

TWA: 1 mg/m³

STEL: 3 mg/m³

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Chemical anti-splash safety goggles.

Skin and Body Protection Chemical resistant, impermeable gloves. Wear appropriate chemical resistant clothing.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. Ventilate by opening all doors and windows. If exposure above the TLV or PEL require a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134 is required.

General Hygiene Considerations Wash contaminated clothing before reuse. Work hygienic practices: Wash hands thoroughly before handling foodstuffs, liquids or tobacco products. Use common sense and care around chemicals. Never mix this product with other chemicals. Consult your supervisor for all other hygienic and safety practices. All practices depend on your specific business. Directions for use normally found on label which will dictate engineering and control measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State: Liquid

Odor: Acrid

Odor Threshold: Not determined

pH: .5-2.0

Melting Point/Freezing Point: Not determined

Boiling Point/Boiling Range: Not available

Flash Point: Not available

Evaporation Rate: Not determined

Flammability (Solid, Gas): Not determined

Upper Flammability Limits: Not determined

Lower Flammability Limit: Not determined

Vapor Pressure: Not determined

Vapor Density: Not determined

Specific Gravity: 1.22

Water Solubility: Completely soluble

Solubility in other solvents: Not determined

Partition Coefficient: Not determined

Auto-ignition Temperature: Not determined

Decomposition Temperature: Not determined

Kinematic Viscosity: Not determined

Dynamic Viscosity: Not determined

Explosive Properties: Not determined

Oxidizing Properties: Not determined

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Strong oxidizers. Metals. Do not mix with ammoniated cleaners as harmful fumes may result.

Hazardous Decomposition Products**SECTION 11: TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

Eye Contact: Causes severe eye damage.

Skin Contact: Causes severe skin burns.

Inhalation: Toxic if inhaled.

Ingestion: May be harmful if swallowed.

Component Information**Chemical Name**

Oral LD50	Dermal LD50	Inhalation LC50	
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
Phosphoric acid 7664-38-2	= 1530 mg/kg (Rat)	= 2730 mg/kg (Rabbit)	> 850 mg/m ³ (Rat) 1 h
Alcohol Ethoxylate 68439-46-3	= 1378 mg/kg (Rat)	> 2 g/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

Component Information

Chemical Name microorganisms	Algae/aquatic plants	Fish	Toxicity to	Crustacea
Phosphoric acid 7664-38-2		3 - 3.5: 96 h Gambusia affinis mg/L LC50		4.6: 12 h Daphnia magna mg/L EC5

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

SECTION 13: WASTE DISPOSAL**Waste Treatment Methods****Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.**California Hazardous Waste Status****Chemical Name**Phosphoric acid
7664-38-2**California Hazardous Waste Status**

Corrosive

SECTION 14: TRANSPORTATION**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.**DOT****UN/ID No** NA1760
Proper Shipping Name Compounds, cleaning liquid (Phosphoric acid)
Hazard Class 8
Packing Group III**IATA****UN/ID No** UN1760
Proper Shipping Name Corrosive liquid, n.o.s. (Phosphoric acid)
Hazard Class 8
Packing Group III**IMDG****UN/ID No** UN1760
Proper Shipping Name Corrosive liquid, n.o.s. (phosphoric acid)
Hazard Class 8
Packing Group III
Marine Pollutant This material may meet the definition of a marine pollutant**SECTION 15: REGULATORY INFORMATION****International Inventories****TSCA** Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Phosphoric acid	5000 lb		RQ 5000 lb final RQ RQ
7664-38-2	2270 kg final RQ		

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

WA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Component Quantities	CWA - Reportable	CWA - Toxic Pollutants Substances	CWA - Priority Pollutants	CWA - Hazardous
Phosphoric acid	5000 lb			X
7664-38-2 (Proprietary)				

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Phosphoric acid	X	X	X
7664-38-2			

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.