



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ECO-ETCH

PRODUCT CODES: 1001

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

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SECTION 2: HAZARDS IDENTIFICATION

GHS Classification of the substance or mixture

Acute Toxicity-Oral: Category 5

Skin Corrosion/Irritation: Category 3

Serious Eye Damage/Eye Irritation: Category 2B

GHS Label Elements

Signal Word: Warning

Symbols: N/A

Hazard Statements:

H303: May be harmful if swallowed

H316: Causes mild skin irritation

H320: Causes eye irritation

Hazards not otherwise classified (HNOC) or not covered by GHS-Not Applicable

Other information:

May cause mild skin irritation if not rinsed off with soap and water

May cause eye irritation if not rinsed out with copious amounts of water

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

No ingredients are hazardous according to OSHA criteria

No components need to be disclosed according to the applicable regulations

SECTION 4: FIRST AID MEASURES

It is always recommended to consult a physician. Show the Safety Data Sheet to the physician in attendance.

IF INHALED: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

IF ON SKIN: Remove any contaminated clothing first. Wash off with plenty of water. If irritation occurs, consult a physician.

IF IN EYES: If wearing contacts, first remove. Flush eyes with water as a precaution. If irritation occurs, consult a physician.

IF SWALLOWED: Never give anything by mouth to an unconscious person. Rinse mouth with water. If irritation occurs, consult a physician.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labeling (See section 2) and/or Section 11.

Indication of any immediate medical attention and special treatment needed: No data available.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide

Special hazards arising for the substance or mixture: No data available

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing any vapors or mist. Ensure adequate ventilation. Move personnel to safe areas. For personal protection see section 8.

Methods and materials for containment: Soak up with inert absorbent material and dispose of in accordance with local and state disposal regulations. Keep in suitable closed containers for proper disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see Section 2.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well ventilated place. Open containers must be carefully closed/resealed and kept upright to prevent leakage. DO not mix with strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Exposure controls:

Appropriate engineering equipment: Handle in accordance with good industrial hygiene and safety practices. Personal protective equipment may be worn for added safety in accordance with the below recommended equipment. Wash hands before all breaks and at the end of the workday.

Personal protective equipment

Eye/face protection: While eye protection is not required, where protection from nuisance levels are desired, use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: While skin protection is not required, where protection from nuisance levels are desired. Gloves must be inspected prior to use. Use proper glove removal technique. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: Nitrile rubber

Splash contact: Material: Nitrile rubber

If mixed with other substances, and under conditions which differ from product directions, contact your glove supplier. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body protection: While body protection is not required, where protection from nuisance levels are desired, choose body protection in relation to its type, to the concentration and to the specific work-place.

Respiratory protection: While respiratory protection is not required, where protection from nuisance levels are desired, use type N95 (US) or type P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Form: liquid

Odor: mild soapy

Odor threshold: no data available

pH: no data available

Freeze/melt point: </= -28°F

Boiling point: $\geq 215^{\circ}\text{F}$
Flash point: no data available
Evaporation rate: no data available
Flammability (solid, gas): no data available
Upper flammability limits: no data available
Lower flammability limits: no data available
Vapor pressure: no data available
Vapor density: no data available
Specific gravity: 1.10 +/- 0.02
Water solubility: 100% soluble
Partition coefficient: no data available
Auto-ignition temperature: no data available
Decomposition temperature: no data available
Kinematic temperature: no data available
Explosive properties: no data available
Oxidizing properties: no data available

These physical properties are typical values for this product and not specifications. No other data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No data available
Chemical stability: Stable under recommended storage conditions
Possibility of hazardous reactions: No data available
Conditions to avoid: No data available
Incompatible materials: Strong oxidizing materials
Hazardous decomposition products: Other decomposition products no data available. In the event of fire see Section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity: LD50 Oral – rat -3340 mg/kg
Respiration: no data available
Inhalation: no data available
Dermal: no data available
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitization no data available
Germ cell mutagenicity: no data available
Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by OSHA.
Reproductive toxicity: no data available
Specific target organ toxicity – single exposure: no data available
Specific target organ toxicity – repeated exposure: no data available
Aspiration hazard: no data available
Additional information: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated by any agency, government or otherwise.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: no data available
Persistence and degradability: no data available

Bio-accumulative potential: Does not bio-accumulate

Mobility in soil: no data available

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects: no data available

SECTION 13: WASTE DISPOSAL

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of unused product.

Note: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14: TRANSPORTATION

DOT: Not regulated for transport

IMDG : Not regulated for transport

IATA: Not regulated for transport

Note: The proper shipping name and/or hazard class for this product may vary according to packaging, properties and mode of transportation. Customer is urged to consult 49 CFR 100-177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods.

SECTION 15: REGULATORY INFORMATION

US Federal Regulations:

Health and Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules: One of the chemicals in this product are under a Chemical Test Rule.

TSCA Section 12b: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule: None of the chemicals in the material have a SNUR under TSCA.

CERCLA Hazardous Substances and Corresponding RQs: None of the chemicals in this material have an RQ

SARA Section 302 Components: None of the chemicals in this product have a TPQ. No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA hazards.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

STATE: The chemical is not present on state lists in: CA, PA, MN, MA, FL or NJ

California Prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

European/International Regulations: European labeling in accordance with EC Directives

European Economic Community: Classification per Directive 67/548/EEC or 1999/45/EC Not classified

Risk Phrases: None allocated

Safety Phrases: S2-Keep out of reach of children, S24/25 Avoid contact with skin and eyes

WGK, Germany (Water danger/protection): No data available

Canada – DSL/NDSL: This product is listed on Canada's DSL List.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations. Canadian Ingredient Disclose List: N/A

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.