

1. Identification

Product Name:	Eco-Etch Pro Concrete Etcher & Cleaner	Product Identifier:	EE3-8000
Emergency Phone #:	(602)305-9397	Revision Date:	10/14/19
Relevant Uses:	Concrete & Masonry Cleaner/Etcher	Supersedes Date:	01/04/16

Manufacturer:

Eco Safety, Inc.
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2. Hazards Identification

Physical State: Liquid Color: Clear Amber
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.1 Classification of the Substance or Mixture

GHS-US Classification
CORROSIVE TO METALS – Category 1
SERIOUS EYE DAMAGE/EYE IRRITATION – Category 1

2.2 Label Elements

GHS-US Hazard Pictograms



GHS-US Signal Word: Warning
May be corrosive to mild metals. Causes serious eye damage.

GHS-US Hazard Statements

H302	May be harmful if swallowed.
H315	May cause skin irritation.
H319	May cause serious eye irritation.
H333	May be harmful if inhaled.

GHS-US Precautionary Statements- Prevention

P102	Keep out of reach of children.
P103	Read label before use.
P233	Keep container tightly closed.
P261	Avoid breathing dust/fumes/gas/mist/vapors/spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash hands, arms and face thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

GHS-US Precautionary Statements- Response

P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water. If irritation persists seek medical attention.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P308+P313	IF EXPOSED OR CONCERNED: Get medical attention.
P332+313	IF SKIN IRRITATION OR RASH OCCURS: Get medical advice/attention.

P337+P313	IF EYE IRRITATION OCCURS: Get medical attention.
P362	Take off contaminated clothing and wash before reuse.
P401	Store in a protected environment away from direct sunlight and avoid freezing.
P404	Store in a closed container.

2.3 Other Hazards

None known under normal conditions.

2.4 GHS-US Unknown acute toxicity

None known.

3. Composition/Information on Ingredients

3.1 Substance

Liquid Mixture.

Chemical Name	Wt. % Range	CAS #
Organic Acid Salt	30 - 50%	506-89-8

1.04. First Aid Measures

4.1 Description of First Aid Measures

Eye Contact:	Immediately flush eyes with plenty of water for at least 20 minutes. If irritation develops, consult a physician.
Skin Contact:	Flush contaminated skin with plenty of water. Consult a physician if irritation develops.
Inhalation:	Move exposed person to fresh air. If irritation persists, get medical attention promptly.
Ingestion:	Do not induce vomiting. If victim is conscious give plenty of water or milk to drink. Call a physician or poison control center immediately.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media:	Foam, dry powder, carbon dioxide, water spray, sand.
Unsuitable extinguishing media:	Do not use a heavy water stream.
Flash Point:	>212°F Closed Cup EPA Method 1010

5.2 Special Hazards Arising from the Substance or Mixture

Fire hazard:	At temperatures above 60°C/140°F acid action on most metals may release hydrogen, a highly flammable and explosive gas.
Explosion hazard:	Product is not explosive.
Reactivity:	No dangerous reactions known under normal use.

5.3 Advice for Firefighters

Firefighting instructions:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of firefighting water in the environment.
Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

General measures:	No specific emergency measures are required other than good laboratory hygiene and safety practices.
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6.1.1 For Non-Emergency Personnel

Protective equipment:	Wear protective equipment as described in Section 8.
Emergency procedures:	Evacuate unnecessary personnel.

6.1.2 For Emergency Responders

Protective equipment:	Wear suitable protective clothing, gloves, and eye or face protection, approved supplied air respirator, in case of emergency.
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6.2 Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3 Methods and Material for Containment and Cleaning Up

For containment:	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations.

6.4 Reference to Other Sections

No additional information available.

7. Handling and Storage

7.1 Precautions for Safe Handling

Precautions:	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
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7.2 Conditions for Safe Storage, Including any Incompatibilities

Technical measures:	Stable (Shelf Life > 2 years).
Storage conditions:	Store in dry, well-ventilated area. Keep container closed when not in use.

7.3 Specific End Use(s)

No additional information available



8. Exposure Controls and Personal Protection

8.1 Control Parameters

Contains no substances with occupational exposure limit values.

Remark (ACGIH)	OEL's not established
Remark (OSHA)	OEL's not established

8.2 Exposure Controls

Appropriate engineering controls:	Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.
Personal protective equipment:	 Protective Goggles.  Gloves.
Hand protection:	Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296 Suggested glove materials are: Neoprene, Nitrile/Butadiene rubber, polyethylene, ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier. Change contaminated gloves immediately.
Eye protection:	Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid.
Skin and body protection:	Wear long sleeves, and chemical impervious PPE/coveralls to minimize bodily exposure.
Respiratory protection:	Use NIOSH approved dust/particulate respirator. Where vapor or mist exceed PEL's or other applicable OEL's, use NIOSH approved respiratory protective equipment.

9. Physical and Chemical Characteristics

9.1 Information on Basic Physical and Chemical Properties

Physical state:	Liquid	Appearance:	Viscous Liquid
Color:	Yellow	Odor:	Mild
pH as is:	< 1	Freezing Point:	No data available
Boiling Point:	100°C (212°F)	Flash Point:	No data available
Vapor Pressure:	<0.013kPa (<0.1mmHg) [room temperature]	Flammability:	No data available
Relative Density:	1.1 (+/-2)	Viscosity-Low Shear:	No data available

Solubility:	Soluble	VOC Content:	0 g/L
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10. Stability and Reactivity

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions

None known.

10.4 Conditions to Avoid

Ignition sources.

10.5 Incompatible Materials

Acids. Strong oxidizers.

10.6 Hazardous Decomposition Products

Carbon oxides (CO, CO₂).

11. Toxicological Information

Eco Safety Products does not test on animals. The following information is from the raw materials only:

Information on the likely routes of exposure: dermal, eyes, inhalation and ingestion

Ingestion:	May cause distress.	Skin corrosion/irritation:	May cause mild skin irritation.
Serious eye damage/irritation:	May cause injury.	Respiratory	May be harmful if inhaled.
Germ cell mutagenicity:	Not classified.	Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.	Specific target organ toxicity:	Not classified.

12. Ecological Information

12.1 Toxicity

Ecology- general: Aquatic toxicity rating not determined. All possible measures should be taken to prevent release into the environment.

12.2 Persistence/degradability: Readily biodegradable.

13. Disposal Information

RCRA Classification: If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as hazardous waste (40 CFR 261.20-24)

Waste treatment methods: Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

14. Transportation Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)	TDG (Canada)
UN Number:	Not Regulated	1760	1760	1760
Proper Shipping Name:	N/A	Corrosive liquid N.O.S. (urea monohydrochloride)	Corrosive liquid N.O.S. (urea monohydrochloride)	Corrosive liquid N.O.S. (urea monohydrochloride)
Transport Hazard Class(es):	N/A	8	8	8
Packing Group:	N/A	III	III	III
Environmental Hazards:	No	No	No	No

Other Information:	Exempt under DOT 49 CFR 173.154 (d). This material is corrosive to aluminum only. Not corrosive to mild steel and skin.	This material is corrosive to aluminum only. Not corrosive to mild steel and skin.	This material is corrosive to aluminum only. Not corrosive to mild steel and skin.	This material is corrosive to aluminum only. Not corrosive to mild steel and skin.
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Transport in bulk according: Not available
To Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory Information

15.1 US Federal Regulations

All chemical substances in this product are listed in the EPA (Environmental Protection Agency) TSCA (Toxic Substance Control Act) Inventory.

SARA 302 Components: None	SARA 313 Components: None	SARA 311/312 Hazards: Chronic Health Hazard Immediate Acute Health Hazard
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15.2 International Regulations

Chemical Inventories – In compliance denotes all components are on inventory or exempt.

U.S. (TSCA):	In Compliance	Canada (CEPA):	In Compliance
Europe (EINECS):	In Compliance	Japan (ENCS):	In Compliance
Australia (NOHSC):	In Compliance	Korea:	In Compliance
China:	In Compliance	Philippines:	In Compliance

15.3 Other Regulatory Information:

California Proposition 65

To the best of our knowledge this product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SARA 302/304: Composition/Information on Ingredients: Not listed

SARA 311/312: Classification: Immediate (acute) health hazard

Composition/Information on Ingredients:

Name	Percent	Fire Hazard	Sudden Release of Pressure	Reactive	Immediate (acute) Health Hazard	Delayed Chronic Health Hazard
Organic Salt	30-50%	No	No	No	Yes	No

16. Other Information

Indication of changes:	Update
Revision date:	10/14/19
Author:	Regulatory Department

Notice: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.

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