

# SAFETY DATA SHEET

## Umaco Ultra-Etch

### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

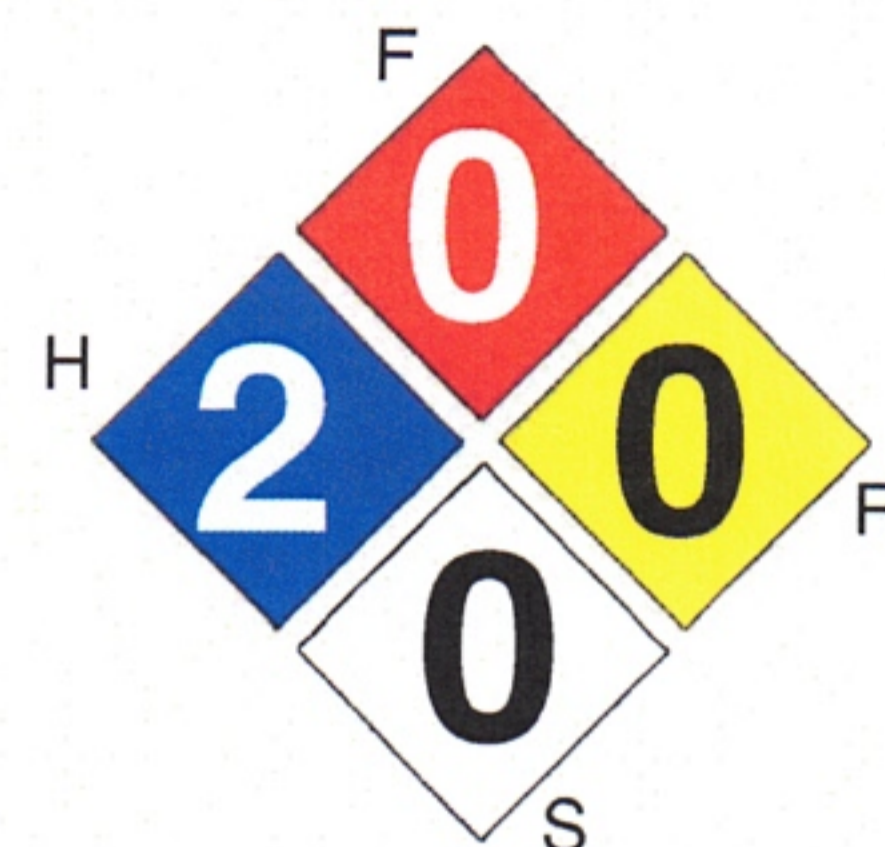
**Product Name:**  
Umaco Ultra-Etch

**Other Means of Identification:**  
Organic Salt

**Recommended Use of Product**  
Acid replacement for use on concrete surfaces.

**Manufacturer/Company Information:**  
Umaco, Inc.  
60 Rear Newhall Street  
Lowell, MA 01852  
Phone: 978-453-8881

**For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident Call:**  
Chemtrec: 1-800-424-9300



Health: 2  
Flammability: 0  
Reactivity: 0  
Special: 0

**NFPA HAZARD RATING**  
4 - Extreme  
3 - High  
2 - Moderate  
1 - Slight  
0 - Insignificant

### Section 2: HAZARD IDENTIFICATION

**Classification Of Product / Chemical Mixture And Any National or Regional Information:**

**GHS Statements:**

GHS Signal Word: WARNING

GHS Hazard Phrases: (H319) Causes serious eye irritation. (H302) Harmful if swallowed.



**Other Hazards Which Do Not Result In Classification:**

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### Section 3: COMPOSITION, INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent</u>
H2O	---	80-90%
Organic Salt	Proprietary	11-18%

#### Other Chemical Information:

### Section 4: FIRST AID MEASURES

#### Necessary Measures For Routes Of Exposure:

**Inhalation:**

Remove person to fresh air and keep comfortable for breathing. Call a doctor/physician if you feel unwell.

**Skin:**

If skin irritation occurs, get medical advice/attention.

**Eyes:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

**Ingestion:**

Call a doctor/physician if you feel unwell. Rinse mouth.

#### Important Symptoms/Effects, Acute and Delayed:

None known.

#### Immediate Medical Attention And Special Treatment Needed:

No specific treatment.

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### Section 5: FIRE FIGHTING MEASURES

#### **Suitable (and unsuitable) Extinguishing Media:**

Use an extinguishing agent suitable for the surrounding fire.

#### **Hazards Arising From The Product/Chemical (e.g., nature of any hazardous combustion products):**

Heating above 100°C results in an exothermic decomposition with release of CO<sub>2</sub> gas.

Decomposition may include the following materials:

Carbon monoxide

Carbon dioxide

Nitrogen oxides

#### **Special Fire Fighting Procedures:**

No special measure are required. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6: ACCIDENTAL RELEASE MEASURES

#### **Personal Precautions, Protective Equipment and Emergency Procedures:**

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

#### **Environmental Precautions:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### **Methods and Materials for Containment and Cleaning Up:**

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewer, water courses, basements or confined areas. Wash spillage into an effluent treatment plant or proceed as follow. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulation. Dispose of via a licensed waste disposal contractor.

### Section 7: HANDLING AND STORAGE

#### **Precautions For Safe Handling:**

Put on appropriate personal protective equipment. Do no ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

#### **Conditions For Safe Storage, Including Any Incompatibilities:**

Store in accordance with local regulation. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Use appropriate containment to avoid environmental contamination.

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### Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Control Parameters, e.g., Occupational Exposure Limit Values or Biological Limit Values:

None.

#### Appropriate Engineering Controls:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Individual Protective Measures, Such As Personal Protective Equipment:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Safety eye wear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dust. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all time when handling chemical products if a risk assessment indicates this is necessary. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Liquid. Clear.	Flammability (solid, gas):	Not available.
Odor:	Very mild.	Upper/Lower Flammability or Explosive Limits:	Not available.
Odor Threshold:	Not available.	Vapor Pressure:	Similar to water.
pH:	1.6	Vapor Density:	>1 (Air=1)
Freezing / Melting Point:	< 32°F	Relative Density:	1.32-1.36
Boiling Point and Boiling Range:	~ 212°F	Partition Coefficient (n-octanol/water):	Not available.
Flash Point:	Not flammable	Autoignition Temperature:	Not available.
Evaporation Rate:	>1 (Butyl acetate =1)	Decomposition Temperature:	Not available.
Solubility:	Soluble	VOC:	<1% 8.86 lb/g 0.07 g/l

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### Section 10: STABILITY AND REACTIVITY

#### Chemical Stability:

Stable

#### Possibility Of Hazardous Reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

#### Conditions To Avoid (e.g., static discharge, shock or vibration):

No specific data.

#### Incompatible Materials:

Reactive or incompatible with the following materials: oxidizing materials. This material may be extremely hazardous in contact with chlorates and nitrates. Contact with hypochlorites (eg. Chlorine bleach, sulfides or cyanides) will liberate toxic gases. Contact with alkaline materials (eg. Aqua ammonia) will generate heat.

#### Hazardous Decomposition Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### Section 11: TOXICOLOGICAL INFORMATION

#### Information On The Likely Routes Of Exposure (inhalation, ingestion, skin and eye contact):

Organic Salt:

Result LD50 Oral - Rat - 1357 mg/kg

Result LD50 Dermal - Rat - 3698 mg/kg

EYE: Causes serious eye irritation.

INHALATION: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

SKIN CONTACT: May cause mild skin irritation.

INGESTION: Harmful if swallowed. Irritation to mouth, throat and stomach.

#### Symptoms Related To The Physical, Chemical and Toxicological Characteristics:

EYE: Adverse symptoms may include the following; Pain or irritation, watering, redness.

INHALATION: No known significant effects or critical hazards.

SKIN CONTACT: Adverse symptoms may include the following; Irritation, redness.

INGESTION: Harmful if swallowed. Irritation to mouth, throat and stomach.

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### **Delayed and Immediate Effects and Also Chronic Effects From Short- and Long-Term Exposure:**

No known significant effects or critical hazards.

### **Numerical Measures Of Toxicity (such as acute toxicity estimates):**

There is no data available.

## Section 12: ECOLOGICAL INFORMATION

### **Ecotoxicity (aquatic and terrestrial, where available):**

Organic Salt:

Result: LC50 709 mg/kg - Daphnia Magna - Exposure 48 hours.

Result: LC50 21.5 mg/L - Selenastrum Capricornutum - Exposure 72 hours.

Result: LC50 >100mg/L - Rainbow Trout - Exposure 96 hours.

### **Persistence and Degradability:**

Biodegradable based on components.

### **Bioaccumulative Potential:**

There is no data available.

### **Mobility In Soil:**

Not available.

### **Other Adverse Effects:**

No known significant effects or critical hazards.

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### Section 13: DISPOSAL CONSIDERATIONS

#### Description Of Waste Residues and Information On Their Safe Handling and Methods Of Disposal, Including The Disposal Of Any Contaminated Packaging:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solution and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drain and sewers.

### Section 14: TRANSPORT INFORMATION

#### UN Number:

Not regulated.

#### UN Proper Shipping Name:

#### Transport Hazard Class(es):

None.

#### Packing Group (if applicable):

#### Marine Pollutant (Yes/No):

No

#### Special Precautions Which User Needs To Be Aware Of / Or Comply With In Connection With Transport Or Conveyance Either Within Or Outside Their Premises:

Transport within user's premises; always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### Section 15: REGULATORY INFORMATION

SARA 302/304 - Not listed

SARA 311/312 - Immediate (acute) health hazard.

U.S. Federal Regulation: United States Inventory (TSCA); All components are listed or exempted.

### Section 16: OTHER INFORMATION