

SAFETY DATA SHEET

| | | |
|-------------------------------|----------------------------|----------------------------------|
| <i>SUPER ETCH PLUS</i> | <i>SDS Number : SE-803</i> | <i>Revision Date: 05/28/2015</i> |
|-------------------------------|----------------------------|----------------------------------|

1. PRODUCT AND COMPANY IDENTIFICATION:

Product Name: SUPER ETCH PLUS
 Product Code: SE-803
 Product Use: Concrete Floor Etchant Concentrate
 Synonyms: Water Based Organic Acid Etchant
 Chemical Formula: Mixture of substances listed below with nonhazardous additions
 Restrictions: Institutional, Commercial, Retail and Industrial Concrete and Masonry Use Only



Manufacturer: Surtec, Inc.
 1880 N. MacArthur Dr
 Tracy, CA 95376
 209.820.3700
 Toll Free 800.877.6330

Emergency contact: Chemtrec 800.424.9300
 CCN No. 21541

2. HAZARD IDENTIFICATION:

GHS CLASSIFICATION:

| <u>HEALTH</u> | <u>ENVIRONMENTAL</u> | <u>PHYSICAL</u> |
|--|---|---|
| <p><i>Acute toxicity: Category 4 (Oral)</i> <i>Serious Eye Damage/Eye Irritation: Category 1</i></p> | <p><i>Acute Toxicity: None Known</i> <i>Chronic Toxicity: None Known</i></p> | <p><i>Corrosive to Metals: Category 1</i></p> |
| | <p><u>Signal Word:</u> Danger</p> | |
| <p><u>Hazard Statements</u> Causes serious eye damage Harmful if swallowed May be irritating to the skin.</p> | | |
| <p><u>Precautionary Statements</u> Wear protective gloves/protective clothing/eye protection/face protection Avoid breathing mist or spray.</p> <p>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 physician. IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water for several minutes. If skin irritation occur or persists, get medical attention. Wash contaminated clothing before reuse. IF SWALLOWED: If ingested, rinse mouth. If material has been swallowed and victim is conscious, give water to drink. Do NOT induce vomiting; Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or Physician. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.</p> <p>Store in original or corrosion resistant container. Keep cool. Dispose of contents/container in accordance with local regulation.</p> | | |

SAFETY DATA SHEET

SUPER ETCH PLUS

SDS Number : SE-803

Revision Date: 05/28/2015

3. COMPOSITION/INFORMATION ON INGREDIENTS:

| INGREDIENT | CAS NO. | PERCENT | HAZARDOUS |
|---|----------|-----------|-----------|
| UREA MONOHYDROCHLORIDE | 506-89-8 | 50 - 100% | YES |
| | | | |
| | | | |
| Exact Percentages are being withheld as trade secret information. | | | |

4. FIRST-AID MEASURES:

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Skin Contact: Remove immediately all contaminated clothing. Rinse skin with water for several minutes. If skin irritation occur or persists, get medical attention. Wash contaminated clothing before reuse.

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.

Ingestion: If ingested, rinse mouth. If material has been swallowed and victim is conscious, give water to drink. Do NOT induce vomiting; Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Center or Physician.

5. FIRE-FIGHTING MEASURES:

Fire Extinguishing media: Use dry chemical, carbon dioxide or water spray. For larger fires use regular foam, dry chemical, carbon dioxide or water spray. Move containers away from fire area if it can be done without risk. From a safe distance and keeping upwind, apply flooding amounts of water to sides of container exposed to fire for cooling purposes until well after the fire is extinguished. (Emergency Response Guidebook Guide #154)

Hazards during fire-fighting:

Containers may rupture when exposed to extreme heat. In fire conditions: carbon monoxide (CO), carbon dioxide (CO₂) nitric oxides (NO_x), chlorides.

Protective equipment for fire-fighting:

Wear NFPA-approved self-contained breathing apparatus, helmet, hood, boots and gloves.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:

Use recommended personal protective clothing and equipment. To prevent slipping, do not walk through spilled material.

Environmental precautions:

Follow all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off work area. Material should be absorbed, collected and disposed of in accordance with regulations. Keep product from entering storm drains. Consult local and federal guidelines for proper disposal of these materials.

Cleanup:

- For small amounts of released material: Mop or vacuum up then transfer to suitable container for disposal. - For large amounts of released material: Dike around spilled material to contain. Spilled material may be mopped or vacuumed up, then transferred to plastic containers for disposal.

SAFETY DATA SHEET

| | | |
|------------------------|----------------------------|----------------------------------|
| SUPER ETCH PLUS | SDS Number : SE-803 | Revision Date: 05/28/2015 |
|------------------------|----------------------------|----------------------------------|

7. HANDLING and STORAGE:

Handling:

General advice - No specific measures are necessary provided product and recommended protective clothing/equipment are used correctly. Avoid breathing mist or spray. Do not mix with other chemicals. This is a commercial product, not intended for home use. Keep out of reach of children.

Storage:

General advice - Protect against physical damage. Store in tightly closed containers in a cool, well ventilated area. Do not allow product to freeze.

Shelf Life:

12 months minimum

8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

Advice on system design:

Provide local exhaust ventilation to control vapors/mist for published exposure limits.

Personal protective equipment (HMIS rating 'B'):

Eye protection: Wear splash-proof safety goggles to prevent exposure.

Skin protection: Chemical-resistant gloves and chemical-resistant, high traction footwear. Wear appropriate protective (impervious) clothing equipment to prevent possible skin contact.

Use proper NIOSH-OSHA respirator if ventilation is inadequate.

Respiratory protection: Avoid breathing mist or spray. Use proper NIOSH-OSHA respirator if ventilation is inadequate.

General safety and hygiene measures: Exercise stringent hygiene practices to minimize exposure.

If contact occurs, wash any body part with soap and water immediately. Wash hands after use, and before eating, drinking or smoking.

Other protective measures:

Nearby running water on the job site is necessary, should an accident occur.

Exposure Guidelines:

None

9. PHYSICAL and CHEMICAL PROPERTIES:

| | | | |
|-----------------------------|--------------------------|----------------------------------|--------------------------|
| Appearance: | Clear Yellow Liquid | Flash Point: | None |
| Odor: | Mild acidic | Upper/Lower Flammability Limits: | No information available |
| pH value: | 0.7 +/- 0.2 | Relative Density (water): | 1.21 |
| Regulatory VOC: | < 0.1% by weight | Auto-Ignition Temperature: | No information available |
| Specific gravity: | 1.21 | Decomposition temperature: | No information available |
| Solidification temperature: | No information available | Partition Coefficient | No information available |
| Freezing/Melting point: | No information available | Odor Threshold | No information available |
| Boiling point: | 212°F (100 °C) | Viscosity: | < 10 cps. |
| Vapor density: | No information available | Partition Coefficient | No information available |
| Vapor pressure: | No information available | | |
| Evaporation Rate: | No information available | | |
| Solubility in water: | 100% | | |

SAFETY DATA SHEET

SUPER ETCH PLUS

SDS Number : SE-803

Revision Date: 05/28/2015

10. STABILITY and REACTIVITY:

Conditions to avoid:

Excessive heat or flame.

Substances to avoid:

Strong bases, oxidizers (e.g., bleach), chlorates, nitrates.

Hazardous reactions:

Product is chemically stable. Reaction with strong bases (alkalis) will generate heat. Contact with hypochlorites (bleach), sulfides or cyanides will liberate toxic gases.

Decomposition or By-products:

In fire conditions: carbon monoxide (CO), carbon dioxide (CO₂), nitric oxides (NO_x), chlorides.

Corrosion to metals: Corrosive to aluminum.

11. TOXICOLOGY INFORMATION:

Acute Toxicity (Symptoms):

Ingestion: May be harmful if swallowed. May be irritating to mouth, throat, and stomach.

Eye Contact: Can cause serious eye damage. Severe irritation, watering, conjunctivitis, redness. Contact may cause permanent eye damage.

Skin Contact: Causes mild skin irritation with itchiness, redness and dryness.

Inhalation: May be harmful if inhaled. Not expected unless misted. Mist or vapor inhalation can cause irritation to the nose, throat, and upper respiratory tract.

Numerical Measures of Toxicity:

Calculated Acute Toxicity Estimates (ATE) based on available information.

ATEmix (oral): 1121 mg/kg

Chronic Toxicity:

Other information: No carcinogenic substances as defined by ACGIH, IARC, NTP and/or OSHA.

12. ECOLOGICAL INFORMATION:

Biodegradation:

Test method: Unspecified

Analysis method: Unspecified

Degree of elimination: Not Established.

Environmental toxicity:

Acute and prolonged toxicity to fish: Not Established

Toxicity to microorganisms: Not Established

Other ecotoxicological advice: Not Established

13. DISPOSAL CONSIDERATIONS:

Waste disposal of substance: Dispose of in accordance with all Federal, State and Local regulations when storing and disposing of substances. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA (EPA regulations for hazardous waste).

Container disposal: Dispose of in a licensed facility in accordance with local regulations.

RCRA:

Unspecified.

SAFETY DATA SHEET

SUPER ETCH PLUS

SDS Number : SE-803

Revision Date: 05/28/2015

14. TRANSPORTATION INFORMATION:

DOT:

Proper Shipping Name: COMPOUND CLEANING LIQUID (NON-HAZARDOUS)

15. REGULATORY INFORMATION:

Federal Regulations:

Registration status:

TSCA, US: All components are listed or exempt.

SARA hazard category (EPCRA 311/312): Acute health hazard

SARA TITLE III, SECTION 313:

None

State Regulations:

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

CAS Number: _____ Chemical Name: _____

None

16. OTHER INFORMATION:

NFPA Rating:

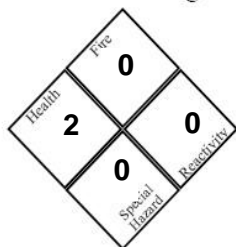
Health: 2 Fire: 0 Reactivity: 0 Special Hazard: none

HMIS III Rating:

Health: 2 Flammability: 0 Physical Hazard: 0
Personal Protection: B (safety glasses with side shields and chemical-resistant gloves)

Both NFPA and HMIS III rating systems use a numbering scale that ranges from 0 to 4 to indicate the degree of hazard. A value of zero means the substance possesses no hazard while a value of four indicates high hazard.

NFPA Rating



HMIS Rating

| | |
|---------------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | B |

Prepared by: Surtec, Inc. 05/28/15 **Revision No.:** 01

Local Contact Information:

Surtec, Inc.

209-820 3700; Toll Free 800-877-6330 (8 a.m. to 5 p.m., M-F, PST)

www.surtecsystem.com

Notice: The information provided is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

SAFETY DATA SHEET

SUPER ETCH PLUS

SDS Number : SE-803

Revision Date: 05/28/2015

Warranty: This is a proprietary SURTEC product, warranted to be of uniform quality within our stringent manufacturing tolerances. As no control is exercised over product use, no warranty is made as to the effects of such use (neither expressed nor implied). Obligation of the seller and manufacturer under this warranty shall be limited to a refund of the purchase price of that portion of the material proven to be defective. The user assumes all other risk and liability resulting from uses of this product. Contact SURTEC with any questions regarding this policy.