

U. S. Corrosion Technologies, LLC  
P. O. Box 551625  
Dallas, Texas 75355-1625  
(972) 271-7361 Fax: (972) 278-9721

# ALL SAFE™ Safety Data Sheet

## 1. IDENTIFICATION

**Product Name:** ALL SAFE™  
**Product Numbers:** 42001, 42002, 42004, 42005  
**Product Type and Use:** Concrete Remover  
**Manufacturer:** U.S. Corrosion Technologies, LLC  
2638 National Drive, Garland, TX 75041  
**Contact:** Telephone: 972-271-7361 Fax: 972-278-9721  
**Emergency Telephone:** CHEMTREC® USA (800) 424-9300  
Outside US +1 (703) 527-3887

## 2. HAZARDS IDENTIFICATION

### Hazard Classification

#### Health Hazard(s)

Skin Irritation Category 1B  
Eye Irritation Category 1  
Acute Toxicity, Inhalation Category 4  
Acute Toxicity - Oral Category 4

#### Physical Hazard(s)

Corrosive to metals Category 1

#### Hazard(s) not otherwise classified

None

### Labeling

**Signal Word:** DANGER

**Pictograms:** Corrosion

#### Statements of Hazard

##### Hazard Statements

Causes severe skin burns and serious eye damage  
Harmful if inhaled or swallowed  
May be corrosive to metals

##### Precautionary Statements

Wear protective gloves, eye and face protection. Do not breathe mist or vapors. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. Store locked up. Keep only in original container. Absorb spillage to prevent material damage. Store in corrosive resistant container with resistant inner liner. Dispose of contents and container in accordance with applicable regulations.  
If on skin: Rinse skin with water/shower. Immediately call a poison center or doctor.  
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.  
If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.  
If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Glycolic acid	79-14-1	5-10*
Sulfamic acid	5329-14-6	1-5*
Organic salts	Trade Secret	35-49*

\* Exact percentage of composition has been withheld as a trade secret

## 4. FIRST AID MEASURES

**General Advice:** Causes severe skin burns and serious eye damage. Avoid contact. Avoid breathing mist or vapors. Use with adequate ventilation. Keep container closed.

**Skin Contact:** Remove contaminated clothing. Flush skin with plenty of water. Remove contaminated clothing and wash before reuse. Immediately call a poison center or doctor.

**Eye Contact:** Immediately flush cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

**Ingestion:** Do not give anything by mouth to an unconscious person. Do not induce vomiting unless advised to do so by a doctor or poison control center. Rinse mouth. Immediately call a poison center or doctor.

**Inhalation:** Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Product does not support combustion. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Suitable:** Carbon Dioxide, Dry Chemical, and Foam

**Unsuitable:** Alcohol, Alcohol based solutions

**Fire Fighting Procedures:** As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool fire-exposed containers with water spray.

**Unusual Fire and Explosion Hazards:** At temperatures above 140°F / 60°C, acid action on aluminum, tin, lead and zinc may release hydrogen, an explosive gas.

**Hazardous Combustion/ Decomposition Products:** Thermal decomposition can lead to release of toxic and irritating hydrogen chloride. Oxides of carbon, nitrogen, and sulfur.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions / Protective Equipment / Emergency Procedures:** Use caution as spills may be slippery. Ensure adequate ventilation. Use personal protective equipment.

**Methods and materials for containment and cleaning up:** Dike and contain large spills with inert absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer liquid to plastic containers. Flush surfaces with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Do not store or dispense into metal containers. Use clean non-sparking tools to collect absorbed material and transfer to a properly labeled container for recovery or disposal according to local / national regulations.

## 7. HANDLING AND STORAGE

### HANDLING

**Precautions for Safe Handling:** Avoid skin and eye contact. Do not breathe mist or vapors. Use with adequate ventilation. Follow all SDS/label precautions.

### STORAGE

**Conditions to avoid:** Store in a cool, dry, well-ventilated place in the original container. Do not transfer or store in metal containers. Keep container tightly closed when not in use. Avoid excess heating and high temperatures. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMITS:** No exposure limits have been established for the hazardous components of this product.

**Engineering Controls:** Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

### Personal Protection

**Respiratory Protection:** None required under normal use conditions. In case of insufficient ventilation, wear a suitable NIOSH approved air purifying respirator with acid vapor cartridge.

**Hand / Skin Protection:** Wear impermeable gloves such as neoprene or nitrile rubber gloves. Gauntlets and apron may be worn depending on the extent of exposure.

**Eye / Face Protection:** Face shield with safety glasses with side-shields.

**General Hygiene Measures:** Avoid contact. Always wash hands and face before eating, drinking or smoking. Remove and wash contaminated clothing before re-use. An eyewash station and washing facilities should be readily accessible to the area of use. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Transparent	<b>Autoignition Temperature:</b>	Not applicable
<b>Physical State:</b>	Non-viscous liquid	<b>Volatile by volume (%):</b>	>78
<b>Odor:</b>	None	<b>Vapor Density (Air=1):</b>	1
<b>Color:</b>	Orange	<b>Evaporation Rate (BuAc= 1):</b>	<1
<b>Viscosity, cSt @ 40°C:</b>	Not established	<b>Vapor Pressure, mmHg @23°C:</b>	18
<b>cSt @ 100°C:</b>	Not established	<b>Solubility in water:</b>	Complete
<b>pH:</b>	<2	<b>Octanol/Water Partition:</b>	Not established
<b>Boiling Point/ Range:</b>	>200°F / 93°C	<b>VOC Content (%):</b>	0
<b>Melting Point:</b>	>32°F / 0°C	<b>Specific Gravity @15.6°C:</b>	1.07
<b>Flash Point:</b>	Non-flammable	<b>Pour Point:</b>	Not established
<b>Method:</b>	Not applicable	<b>Non-volatile by Volume (%):</b>	<22
<b>Lower Explosive Limit, vol %:</b>	Hydrogen, 4	<b>Dielectric Strength:</b>	Not applicable
<b>Upper Explosive Limit, vol %:</b>	Hydrogen, 75		

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at ambient temperatures and up to 230°F/110°C.

**Conditions to Avoid:** Direct sunlight. Heating above 230°F/110°C can result in an exothermic decomposition with rapid release of carbon dioxide gas.

**Hazardous Polymerization:** Will not occur.

**Materials to Avoid:** Strong bases/alkali, strong oxidizing agents, reducing agents, aluminum and other reactive metals, rubber, leather, chlorate, nitrates, sulfides, and sulfites.

## 11. TOXICOLOGICAL INFORMATION

**Product Information:** Not established

### Ingredient Information

Glycolic acid: Orl-Rat LD50 1950 mg/kg, Skn-Rbt OECD Test Guideline 404 - Corrosive, Ihl-Rat LC50 3.6 mg/L 4 hr, Eye-Rbt OECD Test Guideline 405 - severe eye irritation

Sulfamic acid: Orl-Rat LD50 - 3,160 mg/kg, Skn-Rbt OECD Test Guideline 404 - moderate skin irritation, Eye-Rbt OECD Test Guideline 405 - Moderate eye irritation

Organic salts: Orl-Rat LD50 - 1121 mg/kg

### Acute Effects

**Signs and Symptoms of Overexposure:** Skin burns and serious eye damage, Coughing/Sneezing

**Inhalation:** Vapors and mist may cause severe respiratory burns with nasal discomfort and discharge, coughing and sneezing, difficult breathing and shortness of breath.

**Skin Contact:** Causes redness, blistering, pain and burns.

**Eye Contact:** Causes tearing, redness, pain, swelling of the conjunctiva and burns. May cause blindness.

**Ingestion:** Causes burns to the esophagus and stomach with pain, nausea, vomiting and diarrhea. May be fatal.

**Primary Route(s) of Exposure:** Eyes, Skin, Inhalation

**Primary Route(s) of Entry:** Inhalation, Ingestion

**Target Organs:** Skin, eyes, respiratory system

### Chronic Effects

Glycolic acid - reproductive toxicity – effects on fetus: specific developmental abnormalities: musculoskeletal system

**Carcinogenicity:** Not established

**Medical Conditions Aggravated by Exposure:** May aggravate existing skin, eye and respiratory conditions including asthma and dermatitis.

## 12. ECOLOGICAL INFORMATION

**Product Data:** Not established

### **Ingredient Data**

Glycolic acid: Toxicity to Fish LC50 - Danio rerio (zebra fish) - 5,000 mg/l 96 h

Sulfamic acid: Toxicity to Fish LC50 - Pimephales promelas (fathead minnow) - 70.3 mg/l 96 h

Organic salts: Toxicity to Fish LC50 - >140 mg/L (rainbow trout) 96 h, LC50 71.1 mg/L (ceriodaphnia dubia) 48 h, 15 minute LC50, 16.23% effect at a concentration of 10 mg/L (Vibrio fischeri, 4H6002), EC50 70-100 mg/kg (daphnia)

**Elimination Information:** Not established

## 13. DISPOSAL CONSIDERATIONS

**Product:** Dispose of in accordance with local regulations.

**Container:** Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

## 14. TRANSPORT INFORMATION

### **Road Transport**

**DOT Hazard Class:** 8

**Description:** Corrosive Liquid

**UN-No.:** UN1760

**Proper Shipping Name:** Corrosive Liquid N.O.S., 8, PG II,(Containing Glycolic and Sulfamic Acid)

### **Sea Transport**

**IMDG/GGV See Class:** 8

**UN-No.:** UN1760

**Packing Group:** II

**Proper Shipping Name:** Corrosive Liquid N.O.S., 8, PG II,(Containing Glycolic and Sulfamic Acid)

### **Air Transport**

**ICAO/IATA Class:** 8

**UN-No.:** UN1760

**Packing Group:** II

**Shipping Name:** Corrosive Liquid N.O.S., 8, PG II,(Containing Glycolic and Sulfamic Acid)

## 15. REGULATORY INFORMATION

### **U.S. Federal Regulations**

**Toxic Substances Control Act (TSCA):** All components are included on the Inventory

**Superfund Amendments and Reauthorization Act (SARA) Title III:**

Immediate Hazard	Delayed Hazard	Fire Hazard	Pressure Hazard	Reactivity Hazard
X	-	-	-	-

## 16. OTHER INFORMATION

**Prepared by:** U.S. Corrosion Technologies, LLC Technical Services Department

**Revision Date:** 3/19/2015

**Supersedes Date:** 1/8/2014

**Revision Indicator:** Update to OSHA 2012 SDS

National Fire Protection Association (704)

Health: 3

Flammability: 1

Reactivity: 0

Other: -

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical and application of such products is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the sole responsibility of the user to comply with all applicable Federal, State and Local Laws and Regulations. Any questions with regards to information contained herein should be referred to: U. S. Corrosion Technologies, LLC (972) 271-7361.