

## SAFETY DATA SHEET

### SECTION I: IDENTIFICATION

**Product:** Citric Acid Wash  
**Description:** Concrete Remover  
**Company Identification:** Solutions<sup>2</sup> LLC  
1621 N. 1st St.  
Winterset, IA 50273  
Phone: 515-493-1153  
Website: www.Solutions2llc.com



**Company Emergency Telephone Number:** CHEMTREC 1-800-424-9300

### SECTION II: HAZARD(S) IDENTIFICATION

#### GHS CLASSIFICATION

**Eye Irritation:** Category 2A

#### GHS LABEL ELEMENTS

**Signal Word:** **Warning**

**Hazard Pictogram:**



**Hazard Statements:** Causes serious eye irritation

#### PRECAUTIONARY STATEMENTS

**Prevention:** Do not breathe dust/fumes/gas/mist/vapors/spray.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Keep in original or other corrosion resistant container.

**Eyes:** IF IN 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 advice/attention.

**Skin:** IF ON SKIN (or hair): Wash exposed skin thoroughly after handling.

**Spill:** Absorb spillage to prevent material damage.

**Disposal:** Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards Not Classified:** Not applicable.

**Additional Information:** None.

### SECTION III: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight - %
Water	7730-18-5	68-73%
Citic Acid, Anhydrous	77-92-2	8-15%
Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	1-6%

Specific chemical identity and/or exact percentage of mixture has been withheld as a trade secret.

#### SECTION IV: FIRST AID MEASURES

<b>Eye Contact:</b>	Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical assistance immediately.
<b>Skin Contact:</b>	Immediately remove all contaminated clothing. Rinse with water or shower for at least 15 minutes. If irritation persists, IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>Inhalation:</b>	Move victim to fresh air and keep at rest in a comfortable position for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>Ingestion:</b>	Rinse mouth. DO NOT INDUCE VOMITING. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.
<b>Note to Physician:</b>	None.

#### SYMPTOMS OF EXPOSURE

<b>Eye Contact:</b>	Causes serious eye irritation.
<b>Skin Contact:</b>	Slight irritation.
<b>Inhalation:</b>	May cause respiratory irritation.
<b>Ingestion:</b>	Nausea.

#### SECTION V: FIRE-FIGHTING MEASURES

<b>Extinguishing Media:</b>	Foam. Dry Powder. Carbon dioxide. Water spray. Sand.
<b>Unsuitable Extenguishing Media:</b>	Do not use a heavy water stream.
<b>Protective Equipment / Precautions for Firefighters:</b>	Wear OSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

#### SECTION VI: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Cleaning Up:</b>	If safe to do so, prevent further leakage or spillage. Contain and collect spillage with non-combustible absorbent material. Place in container for disposal according to local/national regulations (see Section 13).

#### SECTION VII: HANDLING AND STORAGE

<b>Safe Handling:</b>	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in the process to prevent formation of vapor.
<b>Storage Conditions for Safe Storage, Including any Incompatibilities:</b>	Keep only in the original container in a cool, well ventilated area away from: incompatible materials. Keep container closed when not in use.
<b>Incompatible Product:</b>	Strong bases. Strong Oxidizers.
<b>Incompatible Material:</b>	Sources of ignition. Direct sunlight.

#### SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established.
<b>Engineering Controls:</b>	Ensure good general ventilation. Eye wash stations and shower facilities should be readily accessible

in areas where product is handled.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

- Eye/Face Protection:** Wear splash goggles or safety glasses. For product usage over head wear a face shield over goggles.
- Skin/Body Protection:** Wear rubber or other chemical resistant gloves. Use of apron, boots and other protective equipment should be considered to prevent or minimize product exposure.
- Respiratory Protection:** Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use MSHA/NIOSH approved respirator according to conditions and chemicals in Section 3.
- General Hygiene:** Wash hands and any other exposed skin thoroughly after handling. For further guidance reference 29 CFR 1910.132-138.

### **SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance / Color</b>	Liquid / Clear
<b>Odor</b>	Mild
<b>pH</b>	1
<b>Melting Point / Freezing Point</b>	No information available
<b>Boiling Point / Boiling Range</b>	100° C / 212° F
<b>Flash Point</b>	> 100° C / > 212° F
<b>Evaporation Rate</b>	No information available
<b>Flammability (Solid, gas)</b>	No information available
<b>Upper Flammability Limit</b>	No information available
<b>Lower Flammability Limit</b>	No information available
<b>Vapor Pressure</b>	No information available
<b>Vapor Density</b>	No information available
<b>Specific Gravity</b>	1.07
<b>Solubility(ies)</b>	No information available
<b>Partition Coefficient</b>	No information available
<b>Autoignition Temperature</b>	No information available
<b>Decomposition Temperature</b>	No information available
<b>Viscosity</b>	No information available

### **SECTION X: STABILITY AND REACTIVITY**

- Reactivity:** Product considered to be non-reactive under normal use conditions.
- Chemical Stability:** Stable under normal conditions.
- Possibility of Hazardous Reaction:** Contact with aluminum or other reactive metals may release hydrogen gas.
- Conditions to Avoid:** Extreme high or low temperatures. Direct sunlight.
- Incompatible Materials:** Strong oxidizing agents. Strong acids.
- Hazardous Decomposition:** May include carbon monoxide, carbon dioxide.

### **SECTION XI: TOXICOLOGICAL INFORMATION**

#### **NUMERICAL MEASURES OF TOXICITY**

- Acute Toxicity Estimates (ATE):**
- ATEmix (oral):** > 2,000 mg/kg
- ATEmix (dermal):** > 2,000 mg/kg

#### **Component Acute Toxicity Information:**

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>
Citric Acid		5,400 mg/kg (Rabbit)
Ethylenediaminetetraacetic acid, tetrasodium salt acid, tetrasodium salt	4,506 mg/kg: Calculation Method	

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.

**SYMPTOMS OF EXPOSURE**

**Eye Contact:** Causes serious eye irritation.

**Skin Contact:** Slight irritation.

**Inhalation:** May cause respiratory irritation.

**Ingestion:** Nausea.

**IMMEDIATE, DELAYED, CHRONIC EFFECTS**

**Product Information:** Data not available or insufficient.

**Target Organ Effects:** Eyes, Respiratory System, Skin.

**Carcinogenicity:** No components present at 0.1% or greater are listed to be carcinogens by ACGIH, IARC, NTP or OSHA.

**SECTION XII: ECOLOGICAL INFORMATION**

**Ecotoxicity:**

Chemical Name	Algae/Aquatic Plants	Fish	Microtoxicity	Crustacea
Sulfonic Acids, c14-16-alkane hydroxy and c14-16-alkene, Sodium		440 mg/l, 96 hours		1534 mg/l, 48 hours
Ethylenediaminetetraacetic acid, tetrasodium salt acid, tetrasodium salt	> 100 mg/l, 72 hours	> 100 mg/l, 96 hours		> 500 mg/l, 24 hours

**Persistence and Degradability:** Not available.

**Bioaccumulative Potential:** Not available.

**Mobility in Soil:** Not available.

**SECTION XIII: DISPOSAL CONSIDERATIONS**

**Disposal of Waste:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

**SECTION XIV: TRANSPORT INFORMATION**

**DOT** Not Regulated

**UN/ID #:**

**Proper Shipping Name:**

**Hazard Class:**

**Packing Group:**

**SECTION XV: REGULATORY INFORMATION**

**TSCA Status (Toxic Substance Control Act Section 8(b) Inventory):**

All chemical components in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313:** This product does not contain listed substances above the "de minimus" level.

**SARA 311/312 HAZARD CATEGORIES**

**Acute Health Hazard:** Yes  
**Chronic Health Hazard:** No  
**Fire Hazard:** No  
**Sudden Release of Pressure Hazard:** No  
**Reactive Hazard:** No  
**California Proposition 65:** This product does not contain any Proposition 65 chemicals.

**SECTION XVI: OTHER INFORMATION**

**Issue Date:** 06/01/15

**HAZARD RATINGS:**

**Version #:** 1

**NFPA:** Health: 1 Flammability: 0 Instability: 0  
**HMIS:** Health: 1 Flammability: 0 Physical Hazards: 0

**Disclaimer:** AS THE CONDITIONS OR METHODS OF USE ARE BEYOND OUR CONTROL, WE DO NOT ASSUME ANY RESPONSIBILITY AND EXPRESSLY DISCLAIM ANY LIABILITY FOR ANY USE OF THIS MATERIAL. THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE TRUE AND ACCURATE BUT ALL STATEMENTS OR SUGGESTIONS ARE MADE WITHOUT WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THIS INFORMATION, THE HAZARDS CONNECTED WITH THE USE OF THE MATERIAL OR RESULTS TO BE OBTAINED FROM THE USE THEREOF. COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS REMAIN THE RESPONSIBILITY OF THE USER.