

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****GHS product identifier****Product Name** Citra-Sol**Other means of identification****Product Code(s)** FM9003**Synonyms** None**Recommended use of the chemical and restrictions on use****Recommended Use** Degreaser**Uses advised against** No information available**Supplier's details****Supplier Address**Accurate Companies  
731 W. Fairmont Dr.  
Tempe, AZ 85282**Emergency telephone number****Emergency Telephone  
Number**CHEMTREC: 1-800-424-9300 (NORTH AMERICA)  
1-703-527-3887 (INTERNATIONAL)  
602-996-9191**2. HAZARDS IDENTIFICATION****Classification**

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

|                                   |                           |
|-----------------------------------|---------------------------|
| Acute Oral Toxicity               | Category 4                |
| Skin Corrosion/Irritation         | Category 1 Subcategory 1A |
| Serious Eye Damage/Eye Irritation | Category 1                |

**GHS Label elements, including precautionary statements****Emergency Overview****Signal Word****Danger****Hazard Statements**

- Harmful if swallowed
- Causes skin burns and eye damage



**Precautionary Statements****Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wear protective gloves/protective clothing/eye protection/face protection

**General Advice**

- Immediately call a POISON CENTER or doctor/physician

**Eyes**

- 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/physician.

**Skin**

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse

**Inhalation**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**Ingestion**

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth
- Do NOT induce vomiting

**Storage**

- Store locked up

**Disposal**

- Dispose of contents/container to an approved waste disposal plant

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name    | CAS-No    | Weight % | Trade secret |
|------------------|-----------|----------|--------------|
| Sodium hydroxide | 1310-73-2 | 0-1%     | *            |
|                  |           |          |              |
|                  |           |          |              |
|                  |           |          |              |

*\*The exact percentage (concentration) of composition has been withheld as a trade secret.*

#### 4. FIRST AID MEASURES

##### Description of necessary first-aid measures

|                |   |
|----------------|---|
| General Advice | Immediate medical attention is required.  |
| Eye Contact    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.   |
| Skin Contact   | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Seek immediate medical attention/advice. |
| Inhalation     | Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.   |
| Ingestion      | Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.                                      |

##### Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

##### Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Water. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

Unsuitable Extinguishing Media None

##### Specific Hazards Arising from the Chemical

None known

Hazardous Combustion Products None.

##### Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

##### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Ensure adequate ventilation. Use personal protective equipment.

##### Environmental Precautions

Environmental Precautions Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information Dispose of contents/container to an approved waste disposal plant. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

##### Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**

Absorb spilled material with an absorbent material such as clay, sawdust, or sand. Sweep up and shovel into suitable containers for disposal. After complete clean up by sweeping, area may be washed with large amounts of water if necessary

## 7. HANDLING AND STORAGE

**Precautions for safe handling**
**Handling**

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**
**Storage**

Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

**Incompatible Products**

None

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters**
**Exposure Guidelines**

| Chemical Name              | ACGIH TLV                    | OSHA PEL                               | NIOSH IDLH                   |
|----------------------------|------------------------------|--|------------------------------|
| Sodium hydroxide 1310-73-2 | Ceiling: 2 mg/m <sup>3</sup> | (vacated) Ceiling: 2 mg/m <sup>3</sup> | Ceiling: 2 mg/m <sup>3</sup> |
|                            |                              |  |                              |
|                            |                              |  |                              |

**Appropriate engineering controls**
**Engineering Measures**

Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**
**Eye/Face Protection**

Tightly fitting safety goggles.

**Skin and Body Protection**

Rubber gloves. Rubber apron.

**Respiratory Protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures**

Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**
**Physical State**

Liquid

**Appearance**

Yellow

**Odor**

Citrus

**Odor Threshold**

No information available

**Property**
**Values**
**Remarks/ - Method**

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|                             |                   |            |
|-----------------------------|-------------------|------------|
| pH                          | 12.0-12.5         | None known |
| Melting Point/Range         | No data available | None known |
| Boiling Point/Boiling Range | 100 °C / 212 °F   | None known |

|  |                   |            |
|--|-------------------|------------|
| Flash Point                            | 98 °C / 208.4 °F  | None known |
| Evaporation rate                       | No data available | None known |
| Flammability (solid, gas)              | No data available | None known |
| Flammability Limits in Air             |                   |            |
| upper flammability limit               | No data available |            |
| lower flammability limit               | No data available |            |
| Vapor Pressure                         | No data available | None known |
| Vapor Density                          | No data available | None known |
| Relative Density                       | No data available | None known |
| Specific Gravity                       | No data available | None known |
| Water Solubility                       | Soluble           | None known |
| Solubility in other solvents           | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition Temperature               | No data available | None known |
| Decomposition Temperature              | No data available | None known |
| Viscosity                              | No data available | None known |

**Flammable Properties** Not flammable

**Explosive Properties** Not explosive  
**Oxidizing Properties** Not an oxidizer

#### Other information

**VOC Content (%)** 3-5%

## 10. STABILITY AND REACTIVITY

#### Reactivity

No data available.

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

None under normal processing.

#### Conditions to avoid

None known based on information supplied.

#### Incompatible materials

None

#### Hazardous decomposition products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

#### **Product Information**

**Inhalation** May cause irritation of respiratory tract.  
**Eye Contact** Eye contact with corrosive substances can cause eye burns.  
**Skin Contact** Skin contact with corrosive substances can cause skin burns.

**Ingestion**

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| Chemical Name    | LD50 Oral | LD50 Dermal          | LC50 Inhalation |
|------------------|-----------|----------------------|-----------------|
| Sodium hydroxide |           | = 1350 m/kg (Rabbit) | -               |
|                  |           |                      |                 |
|                  |           |                      |                 |
|                  |           |                      |                 |

**Symptoms related to the physical, chemical and toxicological characteristics**
**Symptoms**

No information available.

**Delayed and immediate effects and also chronic effects from short and long term exposure**
**Sensitization**

No information available.

**Mutagenic Effects**

No information available.

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------|-------|------|-----|------|
|               |       |      |     |      |
|               |       |      |     |      |

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 3: Not Classifiable as to its Carcinogenicity to Humans

**Reproductive Toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Aspiration Hazard**

No information available.

**Numerical measures of toxicity • - Product**

The following values are calculated based on chapter 3.1 of the GHS document:

**LD50 Oral** 2274 mg/kg; Acute toxicity estimate

**LD50 Dermal** 2478 mg/kg; Acute toxicity estimate

**Inhalation**

gas 42529

dust/mist 14.2 mg/L; Acute toxicity estimate

Vapor 104 mg/L; Acute toxicity estimate

**12. ECOLOGICAL INFORMATION**
**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

**Other Adverse Effects**

No information available.

### 13. DISPOSAL CONSIDERATIONS

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

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

| Chemical Name    | California Hazardous Waste |
|------------------|----------------------------|
| Sodium hydroxide | Toxic<br>Corrosive         |

### 14. TRANSPORT INFORMATION

**DOT** Not Regulated

### 15. REGULATORY INFORMATION

**International Inventories**

**TSCA** Complies

**DSL** Complies

**EINECS** Complies

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances



**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

**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  |

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name    | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium hydroxide | 1000 lb                     |                        |                           | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name    | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ  |
|------------------|--------------------------|------------------------------------|---|
| Sodium hydroxide | 1000 lb                  |                                    | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name    | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|------------------|------------|---------------|--------------|----------|--------------|
| Sodium hydroxide | X          | X             | X            |          | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

|             |                 |                |                   |                                 |
|-------------|-----------------|----------------|-------------------|---------------------------------|
| <b>NFPA</b> | Health Hazard 3 | Flammability 1 | Instability 0     | Physical and Chemical Hazards - |
| <b>HMIS</b> | Health Hazard 3 | Flammability 1 | Physical Hazard 0 | Personal Protection B           |

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**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

