

## Section 1 Identification

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**CHEMTREC 24 Hour Emergency**  
**Phone Number (800) 424-9300**  
 For laboratory and industrial use only.  
 Not for drug, food or household use.

|                |            |
|----------------|------------|
| <b>Product</b> | OBLITERASE |
|----------------|------------|

|                 |      |
|-----------------|------|
| <b>Synonyms</b> | None |
|-----------------|------|

## Section 2 Hazards identification

**Signal word:** WARNING  
**Pictograms:** GHS07  
**Target organs:** None known

**GHS Classification:**

Acute Toxicity - Oral (Category 5)  
 Skin Corrosion/Irritation (Category 3)  
 Serious eye irritation (Category 2)

**GHS Label information: Hazard statement:**

H303: May be harmful if swallowed  
 H316: Causes mild skin irritation  
 H319: Causes eye irritation.

**Precautionary statement:**

P264: Wash hands thoroughly after handling.  
 P280: Wear eye protection/face protection.  
 P301+P317: If swallowed get medical help.  
 P332+P317: If skin irritation occurs: Get medical help.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P317: If eye irritation persists: Get medical help.

**Hazards not otherwise classified:**

Health hazards not otherwise classified (HHNOC) - Not Known  
 Physical hazards not otherwise classified (PHNOC) - Not Known

## Section 3 Composition / information on ingredients

| Chemical Name                    | CAS #     | %       | EINECS    |
|----------------------------------|-----------|---------|-----------|
| Water                            | 7732-18-5 | 93.47%  | 231-791-2 |
| Sodium citrate dihydrate         | 6132-04-3 | 3.5%    | 200-675-3 |
| Steol CS-330                     | Mixture   | 1.5%    | Mixture   |
| Biosoft D-40                     | Mixture   | 1.53%   | Mixture   |
| Potassium hydroxide 45% solution | 1310-58-3 | 0.0001% | 215-181-3 |

## Section 4 First aid measures

**INGESTION:** MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**EYE CONTACT:** CAUSES EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

**SKIN ABSORPTION:** CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

## Section 5 Fire fighting measures

**Suitable Extinguishing Media:** Use extinguishing agent suitable for type of surrounding fire.

**Protective Actions for Fire-fighters:** In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

**Specific Hazards:** Contact with aluminum or iron-containing compounds may release hydrogen gas.

## Section 6 Accidental release measures

**Personal Precautions:** Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

**Environmental Precautions:** Avoid runoff into storm sewers and ditches which lead to waterways.

**Containment and Cleanup:** Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Spill area may be slippery. Flush with plenty of water.

**Precautions for Safe Handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

**Conditions for Safe Storage:** Store in a cool, well-ventilated area.

## Section 8 Exposure controls / personal protection

| Exposure Limits: | Chemical Name | ACGIH (TLV)     | OSHA (PEL)      | NIOSH (REL)     |
|------------------|---------------|-----------------|-----------------|-----------------|
|                  | Surfactants   | Not established | Not established | Not established |

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

**Respiratory protection:** None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

## Section 9 Physical and chemical properties

|  |  |   |
|--|--|---|
| <b>Appearance:</b> Liquid. Clear to slightly cloudy. | <b>Evaporation rate ( Water = 1):</b> Data not available   | <b>Partition coefficient:</b> Data not available      |
| <b>Odor:</b> None                                    | <b>Flammability (solid/gas):</b> Data not available.       | <b>Auto-ignition temperature:</b> Data not available  |
| <b>Odor threshold:</b> Data not available.           | <b>Explosion limits: Lower / Upper:</b> Data not available | <b>Decomposition temperature:</b> Data not available. |
| <b>pH:</b> Data not available.                       | <b>Vapor pressure (mm Hg):</b> Data not available          | <b>Viscosity:</b> Data not available.                 |
| <b>Melting / Freezing point:</b> Data not available  | <b>Vapor density (Air = 1):</b> Data not available         | <b>Molecular formula:</b> Mixture                     |
| <b>Boiling point:</b> Data not available             | <b>Relative density (Specific gravity):</b> 1.21-1.35 g/ml | <b>Molecular weight:</b> Mixture                      |
| <b>Flash point:</b> >200°F (>93°) PMCC               | <b>Solubility(ies):</b> Complete in water.                 |   |

## Section 10 Stability and reactivity

**Chemical stability:** Stable

**Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Acids and ammonia. Contact with aluminum or iron-containing compounds may release hydrogen gas.

**Incompatible materials:** Acids, ammonia, aluminum and iron-containing compounds.

**Hazardous decomposition products:** Dangerous hypochlorite acid and irritating chloramine gas are released.

## Section 11 Toxicological information

**Acute toxicity:** Estimated acute oral-rat LD50: >2000 g/kg

**Skin corrosion/irritation:** Data not available

**Serious eye damage/irritation:** Data not available

**Respiratory or skin sensitization:** Data not available

**Germ cell mutagenicity:** Data not available

**Carcinogenicity:** Data not available

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

**Reproductive toxicity:** Data not available

**STOT-single exposure:** Data not available

**STOT-repeated exposure:** Data not available

**Aspiration hazard:** Data not available

**Potential health effects:**

Inhalation: No adverse effects expected.

Ingestion: Harmful if swallowed or put in mouth. Esophageal irritation possible with exposure to more than one mouthful. Do not induce emesis or further irritation may result from re-exposure. Irritation of the mouth and gastrointestinal tract, with nausea, vomiting, and diarrhea. Substantial ingestions may produce hematemesis and possibly moderate to severe gastrointestinal irritation.

Skin: May result in transient skin irritation (redness, swelling) upon prolonged contact with undiluted material.

Eyes: Contact may cause irritation with symptoms of stinging, tearing, itching, swelling, and/or redness of the eyes.

**Signs and symptoms of exposure:** To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

**Additional information: RTECS #:** Data not available

## Section 12 Ecological information

**Toxicity to fish:** No data available

**Toxicity to daphnia and other aquatic invertebrates:** No data available

**Toxicity to algae:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**PBT and vPvB assessment:** No data available

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## Section 13 Disposal considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

## Section 14 Transport information

**UN/NA number:** Not applicable

**Shipping name:** Not Regulated

**Hazard class:** Not applicable

**Packing group:** Not applicable

**Reportable Quantity:** No

**Marine pollutant:** No

**Exceptions:** Not applicable

**2020 ERG Guide #** Not applicable

## Section 15 Regulatory information

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

| Component        | TSCA       | CERLCA (RQ) | RCRA code  | DSL        | NDSL       | CA Prop 65   |
|------------------|------------|-------------|------------|------------|------------|--|
| Sodium citrate   | Listed     | Not listed  | Not listed | Not listed | Not listed | This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity. |
| Bio-Soft D-62 LT | Listed     | Not listed  | Not listed | Listed     | Not listed |  |
| Steol CS-330     | Not listed | Not listed  | Not listed | listed     | Not Listed |  |

## Section 16 Other information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.