Section '

Synonyms

## SAFETY DATA SHEET

## CORROSIVE STORAGE CODE WHITE

| 1 | Chemica | Product | t and | Company | / Identification |
|---|---------|---------|-------|---------|------------------|
|---|---------|---------|-------|---------|------------------|

## HOME SCIENCE TOOLS

665 Carbon Street Billings, MT 59102 800-860-6272 www.homesciencetools.com

# CHEMTREC 24 Hour Emergency USA

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### Phone Number (800) 424-9300 1 703-741-5500 (from anywhere in the world).

For laboratory and industrial use only. Not for drug, food or household use.

## Product OXALIC ACID, DIHYDRATE

## Section 2 Hazards Identification

### Signal word: DANGER Pictograms: GHS05 / GHS07

Target organs: Respiratory system, Kidneys, Eyes, Skin

Ethanedioic Acid, Dihydrate

GHS Classification: Acute toxicity, oral (Category 4) Acute toxicity, dermal (Category 4) Eye damage (Category 1)

### GHS Label information: Hazard statement:

- H302: Harmful if swallowed. H312: Harmful in contact with skin.
- H318: Causes serious eye damage.

## Precautionary statement:

P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P302: Rinse mouth.
P302+P312+P352: IF ON SKIN: Wash with plenty of water and soap. Call a POISON CENTER or doctor if you feel unwell.
P363: Wash contaminated clothing before reuse.
P305+P351+P338+P310: 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.
P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

### 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                |  |
| Oxalic acid, dihydrate                             |                    | 6153-56-6 | 100% | 205-634-3 (anhydrous) |  |
| Section 4  | First Aid Measures |           |      |                       |  |

**INGESTION:** 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: MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SERIOUS EYE DAMAGE. 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: HARMFUL IN CONTACT WITH SKIN. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

### Section 5 Fire Fighting Measures

Suitable Extinguishing Media: For small fires use water spray, dry chemical, carbon dioxide or chemical foam.

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: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This material decomposes on heating to form carbon oxides and formic acid.

### 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:** Recover for reuse if not contaminated. Remove all sources of ignition. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

### Section 7 Handling & Storage

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 dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources.

| Section 8        | ection 8 Exposure Controls / Personal Protection |  |                          |  |  |  |  |  |
|------------------|--|--|--------------------------|--|--|--|--|--|
| Exposure Limits: | Chemical Name                                    | ACGIH (TLV)  | OSHA (PEL)               | NIOSH (REL)  |  |  |  |  |
| Exposure Limits. | Oxalic acid, anhvdrous                           | TWA: 1 ma/m <sup>3</sup> / STEL: 2 ma/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup> | TWA: 1 ma/m <sup>3</sup> / STEL: 2 ma/m <sup>3</sup> |  |  |  |  |

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 dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-

| Section 9   | Physical & Che   | mical Proper  | rties   |  |   |  |                          |   |  |  |  |  |  |  |  |
|---|--|---|---|--|---|--|--------------------------|---|--|--|--|--|--|--|--|
| Appearance: Solid.<br>Odor: No odor<br>Odor threshold: Da<br>pH: 1.3 (0.1M Solution<br>Melting / Freezing p<br>Boiling point: 149-1<br>Flash point: Non-fla   | ta not available<br>on)<br><b>oint:</b> 101.5°C (216<br>60°C (300-320°F)         | ۴<br>۴<br>۲)<br>۴)<br>۴   | Tammability (s<br>Explosion limit<br>/apor pressure<br>/apor density (<br>Relative densit | te ( = 1): Data not av<br>olid/gas): Data not a<br>s: Lower / Upper: D<br>(mm Hg): <0.001 @<br>Air = 1): 4.4<br>y (Specific gravity): 1<br>Soluble in water (138 | vailable<br>ata not available<br>20°C (68°F)<br>1.65 @ 18.5°C | Auto-igniti<br>Decompos<br>Viscosity:<br>Molecular | •                        | ble   |  |  |  |  |  |  |  |
| Section 10  | Stability & Read   | ctivity   |   |  |   | 1  |                          |   |  |  |  |  |  |  |  |
| Chemical stability:<br>Conditions to avoid  |  | ratures, heat, s  |   | us polymerization: V<br>me and other sources   |   | xposure to ligi                                    | nt and moisture.         |   |  |  |  |  |  |  |  |
| Incompatible mater  | ials: Alkalies, chlor  | ites, hypochlor   | ites, oxidizing a   | gents, furfuryl alcohol  | , silver compounds.   |  |                          |   |  |  |  |  |  |  |  |
| Hazardous decomp  | osition products:  | Carbon oxides   | and formic aci  | d.   |   |  |                          |   |  |  |  |  |  |  |  |
| Section 11  | Toxicological Ir   | nformation  |   |  |   |  |                          |   |  |  |  |  |  |  |  |
| Respiratory or skin sensitization: Data not available         Germ cell mutagenicity: Data not available         Carcinogenity: 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: Inhalation may cause cough, sore throat, burning sensation, shorness of breath, labored breathing, headache.         Ingestion: Ingestion may cause redness, pain and/or burns.         Eyes: Contact with skin may cause redness, pain and/or burns.         Eyes: Contact with eyes may cause redness, pain, blurred vision and/or burns.         Signs and symptoms of exposure: Exercise appropriate procedures to minimize potential hazards. |  |   |   |  |   |  |                          |   |  |  |  |  |  |  |  |
| Section 12  | Ecological Info  | rmation   |   |  |   |  |                          |   |  |  |  |  |  |  |  |
| Toxicity to algae: So<br>Persistence and de<br>Mobility in soil: No   | and other aquatic<br>cenedesmus quadric<br>gradability: Readil<br>data available | invertebrates<br>cauda (Algae),<br>y biodegradab<br>tal hazard canr | : Daphnia magr<br>EC50 = 790 m<br>le  | na (Crustacea), EC50   | ential: No data ava<br>sment: No data av                      | ailable  |                          |   |  |  |  |  |  |  |  |
| 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.  |  |   |   |  |   |  |                          |   |  |  |  |  |  |  |  |
|   | •  | •   |   | •  |   | P = = = 1 ()                                       |                          | Section 14 Transport Information (US DOT / CANADA TDG)  |  |  |  |  |  |  |  |
| UN/NA number:<br>Hazard class: 8  |  |   |   | ve solid, acidic, org  | janic, n.o.s., (Oxa   | ilic acid)   |                          |   |  |  |  |  |  |  |  |
| Exceptions: Lim   | neu quantity equa  | Packing gro<br>al to or less the                                    |   | •  | le Quantity: No<br>G Guide # 154                              |  | Ma                       | arine pollutant: No   |  |  |  |  |  |  |  |
| Section 15  | Regulatory Info  | Packing gro<br>al to or less the<br>prmation                        | han 5 Kg  | 2016 ER  |   |  | Ma                       | arine pollutant: No   |  |  |  |  |  |  |  |
| Section 15<br>A chemical is considered  | Regulatory Info  | Packing gro<br>al to or less the<br>prmation                        | han 5 Kg<br>anhydrous form  | 2016 ER(   | <b>G Guide #</b> 154  |  |                          | •   |  |  |  |  |  |  |  |
| Section 15  | Regulatory Info  | Packing gro<br>al to or less the<br>prmation                        | han 5 Kg  | 2016 ER  |   | <b>DSL</b><br>Listed                               | Ma<br>NDSL<br>Not listed | Arine pollutant: No CA Prop 65 This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity. |  |  |  |  |  |  |  |

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. Form 06/2015