

## Section 1 Identification

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# INNOVATING SCIENCE®

"Cutting edge science for the classroom"

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

## Product DEIONIZED WATER

Synonyms Hydrogen Oxide / Distilled Water

## Section 2 Hazards identification

This substance has not been classified at this time according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

**Signal word:** Not a hazardous substance

**Pictograms:** Not a hazardous substance

**Target organs:** None known

**GHS Classification:**

Not a hazardous substance

**GHS Label information:**

**Hazard statement:** Not a hazardous substance

**Precautionary statement(s):** Not a hazardous substance

**Supplemental information:**

Avoid contact with DANGEROUS WHEN WET and WATER-REACTIVE materials.  
For laboratory use only. Do not ingest.

**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    |
|-----------------|-----------|------|-----------|
| Deionized water | 7732-18-5 | 100% | 231-791-2 |

## Section 4 First aid measures

Uncontaminated water should not pose any ill health effects. If ill effects develop, get immediate medical attention.

## Section 5 Fire fighting measures

**Suitable Extinguishing Media:** Not a fire hazard. Water is used for extinguishing fires.

**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:** Avoid contact with DANGEROUS WHEN WET and WATER-REACTIVE materials. See Section 10.

## Section 6 Accidental release measures

**Personal Precautions:** Uncontaminated material poses no hazards.

**Environmental Precautions:** Uncontaminated material may be flushed to sewer.

**Containment and Cleanup:** Uncontaminated material may be flushed to sewer.

**Section 7 Handling and storage**

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**Precautions for Safe Handling:** Read label on container before using. Not for drug, food or household use. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Wash thoroughly after handling.

**Conditions for Safe Storage:** Store in a cool area away from water-reactive or dangerous when wet substances.

**Section 8 Exposure controls / personal protection**

| Exposure Limits: | Chemical Name | ACGIH (TLV) | OSHA (PEL)  | NIOSH (REL) |
|------------------|---------------|-------------|-------------|-------------|
|                  | None listed   | None listed | None listed | None listed |

**Engineering controls:** None required.

**Respiratory protection:** None required.

**Section 9 Physical and chemical properties**

**Appearance:** Clear, colorless liquid.

**Odor:** No odor.

**Odor threshold:** Data not available

**pH:** Data not available

**Melting / Freezing point:** 0°C (32°F)

**Boiling point:** 100°C (212°F)

**Flash point:** Not flammable

**Evaporation rate ( Water = 1):** 1

**Flammability (solid/gas):** Not flammable

**Explosion limits:** Lower / Upper: Not flammable

**Vapor pressure (mm Hg):** 14

**Vapor density (Air = 1):** 0.7

**Relative density (Specific gravity):** 0.99707 @ 20/20°C

**Solubility(ies):** Complete

**Partition coefficient:** (n-octanol / water): Data not available

**Auto-ignition temperature:** Not flammable

**Decomposition temperature:** Data not available.

**Viscosity:** Data not available.

**Molecular formula:** H<sub>2</sub>O

**Molecular weight:** 18.01

**Section 10 Stability and reactivity**

**Chemical stability:** Stable

**Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Absorption of fumes and carbon dioxide gas.

**Incompatible materials:** Water-reactive metals: sodium, potassium, calcium, barium, alkali metal alloys, liquid amalgams, amides, carbides, hydrides, aluminum powders, silicides, cerium, concentrated acids.

**Hazardous decomposition products:** Electrolysis will produce explosive and flammable hydrogen and oxygen.

**Section 11 Toxicological information**

**Acute toxicity:** Data not available

**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 ill effects expected.

Ingestion: No ill effects expected.

Skin: No ill effects expected.

Eyes: No ill effects expected.

**Signs and symptoms of exposure:** No ill effects expected.

**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

**Exceptions:** Not applicable

**2020 ERG Guide #** Not applicable

**Reportable Quantity:** No

**Marine pollutant:** No

**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   |
|-----------------|--------|-------------|------------|--------|------------|--|
| Deionized water | Listed | Not listed  | Not listed | Listed | Not listed | This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity. |

**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.