



Medical chemical Corp.  
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CHEMTREC Emergency Response Telephone Number: (800)424-9300

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

**Section 1 - Product Identification**

Water, also known as hydrogen oxide.

**Section II - Composition/Information on Components**

Ingredients	CAS#	OSHA Pel	ACGIH TLV	Other Limits	%
Water	7732-18-5	-----	-----		100.00%

**Section III - Hazards Identification**

Overview: Hydrogen oxide is a green house gas that contributes to global warming. It is also the main component of acid rain. May be harmful if swallowed. May be irritating to skin eyes and respiratory tract.

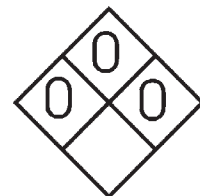
**Safety Ratings**

Health: None      Flammability: None      Reactivity: None      Contact: None  
Recommended safety equipment: safety goggles, lab coat and proper gloves should be available.

Storage: General storage

**NFPA Ratings**

Health = 0      Flammability = 0      Reactivity = 0



**Potential Health Effects**

Inhalation: May be irritating

Ingestion: While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc.

Skin contact: Not normally a problem

Eye contact: May be irritating

Chronic Exposure: Prolonged immersion may produce drowning and/or hypothermia. Prolonged exposure to the solid form of this chemical may cause frostbite. Exposure to the vapor form may cause severe burns.

Aggravation of preexisting conditions: Unknown

**Section IV - First Aid Measures**

Inhalation: Remove from source of exposure and get medical attention for any breathing difficulty.

Ingestion: Not normally a problem.

Skin Contact: Wash affected area with soap and water. Get medical advice if irritation develops.

Eye Contact: Rinse thoroughly with running water. Get medical advice if irritation develops.

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## Section V - Fire Fighting Measures

*Fire:* Not normally a fire Hazard,

*Explosion:* Not Normally an explosion hazards.

*Fire Extinguishing Media:* Any means suitable for surrounding fire.

*Special information:* Pyrolysis will release corrosive oxides.

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## Section VI - Accidental Release Measures

Absorb with a suitable absorbent (such as paper towels) and store in a suitable container for disposal. Waste disposal is usually not restricted but local ordinances vary. Insure compliance with all government regulations.

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## Section VII - Handling and Storage

Store in a closed container, protected from freezing.

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## Section VIII - Exposure Control/Personal Protection

*Airborne Exposure Limits:* See section II

*Ventilation System:* Usually not required. When required, Refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.

*Personal Respirator:* Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

*Skin protection:* Protective gloves are not required but recommended as part of good laboratory practice.

*Eye Protection:* Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

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## Section IX - Physical and Chemical Properties

*Boiling Point:* 100.0°C @ 1 atm

*Vapor pressure (mm Hg):* 18 @ 20°C

*Vapor Density (air = 1):* 0.6

*Appearance and Odor:* A clear, colorless, odorless liquid.

*Density:* About 0.997627 g/ml @ 22.5°C

*Evaporation Rate (water = 1):* 1

*Solubility:* Infinitely miscible with water

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## Section X - Stability and Reactivity

*Stability:* Freezes at low temperature.

*Hazardous Decomposition Products:* Nothing unusual.

*Hazardous polymerization:* Will not occur.

*Incompatibilities:* Nothing unusual.

*Conditions to avoid:* Excessive cold/heat and light.

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## Section - XI Toxicological Information

None relating to normal exposure.

Cancer lists

<i>Ingredient</i>	<i>Known Carcinogenicity?</i>	<i>NTP?</i>	<i>Anticipated?</i>	<i>IARC Category</i>
Water	no	no	Highly unlikely	none

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## Section XII - Ecological Information

*Environmental Fate:* Hydrogen oxide is not biodegradable

*Environmental Toxicity:* None

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**Section XIII - Disposal**

Not normally restricted, but local governments can restrict the amounts of anything that may be flushed down drain. Insure compliance with all government regulation. At the present time there is no neutralizer for this product.

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**Section XIV - Transportation information**

Not regulated at the present time.

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**Section XV - Regulatory Information****Chemical Inventory Status**

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Ingredient	TSCA	EC
Water	Yes	Yes

**Federal, State and International Regulations**

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Ingredient	SARA 302		SARA 313		RCRA	TSCA
	RQ	TPQ	List	Category	261.33	8(D)
Water	No	No	No	No	No	No

Chemical Weapons Convention: No    TSCA 12(b): No    CDTA: No

SARA 311/312: *Acute*: No, *Chronic*: No

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**Section XVI - Other Information**

This information is believed to be correct but is not warranted as such, nor does it purport to be all inclusive.

Prepared by: P. B.    Revision Date: Feb. 13, 2006