

# WATER

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## 1. Product Identification

**Synonyms:** Hydrogen oxide; Dihydrogen monoxide; Distilled water; Deionized water

**CAS No.:** 7732-18-5

**Molecular Weight:** 18.02

**Chemical Formula:** H<sub>2</sub>O

**Product Codes:** CHEM-049C and others

## 2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Water	7732-18-5	100%	No

## 3. Hazards Identification

### Emergency Overview

**WHOLE BODY IMMERSION WITHOUT APPROPRIATE BREATHING APPARATUS CAN CAUSE HYDROGEN MONOXIDE POISONING (DROWNING).**

### SAF-T-DATA<sup>(tm)</sup> Ratings

Health Rating: 0 - None

Flammability Rating: 0 - None

Reactivity Rating: 1 - Slight

Contact Rating: 0 - None

Lab Protective Equip: GOGGLES; LAB COAT

Storage Color Code: Green (General Storage)

### Potential Health Effects

#### Inhalation:

Not applicable.

#### Ingestion:

Not applicable.

#### Skin Contact:

Not applicable.

#### Eye Contact:

Not applicable.

#### Chronic Exposure:

Not applicable.

**Aggravation of Pre-existing Conditions:**

Not applicable.

## **4. First Aid Measures**

**Inhalation:**

Not applicable.

**Ingestion:**

Not applicable.

**Skin Contact:**

Not applicable.

**Eye Contact:**

Not applicable.

## **5. Fire Fighting Measures**

**Fire:**

Not applicable.

**Explosion:**

Not applicable.

**Fire Extinguishing Media:**

Use extinguishing media appropriate for surrounding fire.

**Special Information:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## **6. Accidental Release Measures**

Non-hazardous material. Clean up of spills requires no special equipment or procedures.

## **7. Handling and Storage**

Keep container tightly closed. Suitable for any general chemical storage area. Protect from freezing. Water is considered a non-regulated product, but may react vigorously with some specific materials. Avoid contact with all materials until investigation shows substance is compatible.

## **8. Exposure Controls/Personal Protection**

**Airborne Exposure Limits:**

Not applicable.

**Ventilation System:**

Not applicable.

**Personal Respirators (NIOSH Approved):**

Not applicable.

**Skin Protection:**

None required.

**Eye Protection:**

None required.

## 9. Physical and Chemical Properties

**Appearance:**

Clear, colorless liquid.

**Odor:**

Odorless.

**Solubility:**

Complete (100%)

**Specific Gravity:**

1.00

**pH:**

7.0

**% Volatiles by volume @ 21°C (70°F):**

100

**Boiling Point:**

100°C (212°F)

**Melting Point:**

0°C (32°F)

**Vapor Density (Air=1):**

Not applicable.

**Vapor Pressure (mm Hg):**

17.5 @ 20°C (68°F)

**Evaporation Rate (BuAc=1):**

No information found.

## 10. Stability and Reactivity

**Stability:**

Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:**

Not applicable.

**Hazardous Polymerization:**

Will not occur.

**Incompatibilities:**

Strong reducing agents, acid chlorides, phosphorus trichloride, phosphorus pentachloride, phosphorus oxychloride.

**Conditions to Avoid:**

No information found.

## 11. Toxicological Information

For Water: LD50 Oral Rat: >90 ml/Kg. Investigated as a mutagen.

Ingredient	Cancer Lists		
	Known	Anticipated	IARC Category
Water (7732-18-5)	No	No	None

## 12. Ecological Information

**Environmental Fate:**

Not applicable.

**Environmental Toxicity:**

Not applicable.

## 13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be flushed to sewer. If material becomes contaminated during use, dispose of accordingly. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. Transport Information

Not regulated.

## 15. Regulatory Information

Chemical Inventory Status - Part 1

Ingredient	TSCA	EC	Japan	Australia
Water (7732-18-5)	Yes	Yes	Yes	Yes

Chemical Inventory Status - Part 2

Ingredient	Korea	DSL	Canada NDSL	Phil.
Water (7732-18-5)	Yes	Yes	No	Yes

Federal, State & International Regulations - Part 1

Ingredient	SARA 302 RQ	SARA 313 TPQ	List	Chemical Catg.
Water (7732-18-5)	No	No	No	No

Federal, State & International Regulations - Part 2

Ingredient	CERCLA	RCRA 261.33	TSCA 8(d)
Water (7732-18-5)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No  
SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No  
Reactivity: No (Pure / Liquid)

**Australian Hazchem Code:** None allocated.

**Poison Schedule:** None allocated.

**WHMIS:**

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. Other Information

**NFPA Ratings:** Health: 0 Flammability: 0 Reactivity: 0

**Label Hazard Warning:**

Not applicable.

**Label Precautions:**

Keep in tightly closed container.

**Label First Aid:**

Not applicable.

**Product Use:**

Laboratory Reagent, Consumer Hobby and Water Balloons.

**Revision Information:**

No Changes.

**Disclaimer:**

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