

MSDS Number: **W0600** \* \* \* \* \* *Effective Date: 08/10/04* \* \* \* \* \* *Supersedes: 11/12/01*

# MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.  
222 Red School Lane  
Phillipsburg, NJ 08865



Mallinckrodt  
CHEMICALS



24 Hour Emergency Telephone: 908-859-2151  
CHEMTREC: 1-800-424-9300

National Response in Canada  
CANUTEC: 613-996-6666

Outside U.S. and Canada  
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

## Water

### 1. Product Identification

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

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

**Molecular Weight:** 18.02

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

**Product Codes:**

J.T. Baker: 4022, 4201, 4212, 4216, 4218, 4219, 4221, 6906, 9823, 9831

Mallinckrodt: 6795, H453, V564

### 2. Composition/Information on Ingredients

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

### 3. Hazards Identification

**Emergency Overview**

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**Not applicable.**

**SAF-T-DATA<sup>(tm)</sup>** Ratings (Provided here for your convenience)

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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)

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### **Potential Health Effects**

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Water is non-hazardous.

**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.

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## **4. First Aid Measures**

**Inhalation:**

Not applicable.

**Ingestion:**

Not applicable.

**Skin Contact:**

Not applicable.

**Eye Contact:**

Not applicable.

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## **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.

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## 6. Accidental Release Measures

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

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## 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.

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## 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.

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## 9. Physical and Chemical Properties

**Appearance:**

Clear, colorless liquid.

**Odor:**

Odorless.

**Solubility:**

Complete (100%)

**Specific Gravity:**

1.00

**pH:**

7.0

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

100

**Boiling Point:**

100C (212F)

**Melting Point:**

0C (32F)

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

Not applicable.

**Vapor Pressure (mm Hg):**

17.5 @ 20C (68F)

**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: &gt;90 ml/Kg. Investigated as a mutagen.

Ingredient	---NTP Carcinogen---		IARC Category
	Known	Anticipated	
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

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 Water (7732-18-5) Yes Yes Yes

Yes

-----\Chemical Inventory Status - Part 2\-----  
 Ingredient Korea DSL NDSL Phil. --Canada--

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 Water (7732-18-5) Yes Yes No Yes

-----\Federal, State & International Regulations - Part 1\-----  
 Ingredient -SARA 302- -SARA 313-----  
 RQ TPQ List Chemical Catg.

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 Water (7732-18-5) No No No No

-----\Federal, State & International Regulations - Part 2\-----  
 Ingredient CERCLA -RCRA- -TSCA-  
 261.33 8(d)

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 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.

**Revision Information:**

No Changes.

**Disclaimer:**

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