

Safety Data Sheet

SECTION 1: Identification

Product Name	Deionized Water ASTM D1193 Type I Reagent Grade 18 megaohm
Other Identifiers	Dihydrogen Oxide; CHM03V912, CHM03V913, CHM03V914
Recommended Uses	General Laboratory Reagent/Chemical.
Uses Advised Against	Not intended for drug, food or household use.
Address	1654 High Hill Road Swedesboro, NJ 08085 USA
Telephone	1-800-345-2100
Website	www.thomassci.com
24-Hour Emergency Telephone	
CHEMTREC (USA) 800-424-9300 CHEMTREC (International) 1 + 730-527-3887	

SECTION 2: Hazard(s) Identification

Hazards not otherwise classified or covered by GHS

None identified.

Hazard Statements

This product is not categorized as hazardous in any GHS class.

SECTION 3: Composition / Information on Ingredients

Component Name	Component Number CAS	Component Number EC	Component Weight %
Water	7732-18-5	231-791-2	100

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SECTION 4: First-Aid Measures

General Advice	No specific treatment is required.
Skin Contact	This material is not expected to require any special treatment if contacted.
Eye Contact	No specific treatment is required.
Inhalation	Remove person to fresh air and keep comfortable for breathing. If breathing is difficult or labored, seek medical attention.
Ingestion	No specific treatment is required.
Symptoms/effects	Water intoxication (ingestion) can cause confusion, disorientation, nausea, vomiting and brain swelling.
Treatment	Treat symptomatically.

SECTION 5: Fire-Fighting Measures

Extinguishing Media	Substance is not flammable, use agent most appropriate to extinguish surrounding fire (water, carbon dioxide, dry chemical, sand/earth, foam).
Specific Hazards	None.
Actions for Firefighters	No special protection is required for this chemical substance.

SECTION 6: Accidental Release Measures

Precautions and Procedures	No specific treatment is required.
Environmental Precautions	No specific treatment is required.
Containment and Clean Up	No specific treatment is required.

Section 7: Handling and Storage

Handling	No specific treatment is required.
Storage	Protect from freezing and physical damage. Store separately from incompatible materials.

Section 8: Exposure Controls / Personal Protection

Engineering Controls	As part of safe chemical handling, emergency eye wash fountains and safety showers should be available in handling areas.
Exposure Limits	Occupational exposure limit values have not been established.
Eye Protection	As part of good industrial hygiene, wear safety glasses with side shields or safety goggles. Wear face shield if there is risk of splashes.
Skin Protection	No special protection is required.
Respiratory Protection	In general, special respiratory protection is not required and normal ventilation is expected to be adequate for safe handling under normal conditions of use.

Section 9: Physical and Chemical Properties

Physical State	Liquid
Appearance/Color	Colorless
Odor	Odorless
Odor Threshold	Not applicable.
Melting/Freezing Point	0°C
Boiling Point/Range	100°C
Flammability	Not flammable
Flammable/Explosive Limits	Not applicable
Flash Point	Not applicable
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	2000°C
pH	Neutral
Viscosity	1 cP at 20°C
Solubility (in water)	Miscible
Partition Coefficient (n-octanol/water)	Not applicable
Relative Density	1
Vapor Pressure	Data not available
Vapor Density	1
Evaporation Rate	Data not available
Particle Characteristics	Not applicable.

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Section 10: Stability and Reactivity

Reactivity	Based on available data, no reaction hazards have been identified.
Chemical Stability	Stable under normal conditions of handling and storage.
Hazardous Reactions	Based on available data, no reaction hazards have been identified that would occur during normal handling and storage.
Conditions to Avoid	Avoid contact with incompatible materials.
Incompatible Materials	Water reactive substances.
Hazardous Decomposition	None.

Section 11: Toxicological Information

Acute Toxicity - Oral	Ingesting more than 1L per hour can cause hyponatremia which can be fatal.
Acute Toxicity - Dermal	Not hazardous.
Acute Toxicity - Inhalation	Inhalation of excessive amounts of water lead to death by drowning.
Skin Corrosion/Irritation	This material is not expected to cause skin irritation under normal conditions.
Eye Damage/Irritation	This material is not expected to cause eye damage or irritation under normal usage conditions.
Respiratory Sensitization	Not expected to cause respiratory sensitization.
Skin Sensitization	Not expected to cause skin sensitization.
Germ Cell Mutagenicity	Not hazardous.
Carcinogenicity	This material has not been identified as a carcinogen by IARC or NTP.
Reproductive Toxicity	Not hazardous.
STOT Single Exposure	Not hazardous.
STOT Repeated Exposure	Not hazardous.
Aspiration Hazard	This substance is not considered to be an aspiration hazard.
Other Information	Not hazardous.

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Section 12: Ecological Information

Toxicity Values	Not an ecotoxin.
Persistence/Biodegradability	Not applicable.
Bioaccumulation Potential	Not expected to adversely bioaccumulate.
Mobility in Soil	Completely mobile in soil.
Other Adverse Effects	None known.

Section 13: Disposal Considerations

Not hazardous unless mixed with other materials. If mixed with other materials, chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Dispose in accordance with national, state, regional and local regulations.

Section 14: Transport Information

Proper Shipping Name, Hazard Class	NOT REGULATED
Marine Pollutant	Not classified as a marine pollutant.

Section 15: Regulatory Information

USA TSCA	On or in compliance with the inventory.
USA SARA 302/304	Does not apply.
USA SARA 311/312	Does not apply.
USA SARA 313 (TRI)	Does not apply.
Canada DSL/NDSL	On or in compliance with DSL.
California Proposition 65	This product contains no substances on the list.

Section 16: Other Information

Acronyms	ACGIH	American Conference of Governmental Industrial Hygienists (USA)
	ATE	Acute Toxicity Estimate (calculated toxicity value)
	BCF	Bioconcentration Factor
	CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (USA)
	DOT	Department of Transportation (USA)
	DSL	Domestic Substances List (Canada)
	EHS	Extremely Hazardous Substance
	EPA	Environmental Protection Agency (United States)
	GHS	Globally Harmonized System
	IARC	International Agency for Research on Cancer
	IDLH	Immediately Dangerous to Life and Health
	NTP	National Toxicology Program (USA)
	OSHA	Occupational Safety and Health Administration (USA)
	PEL	Permissible Exposure Limit
	PNOR	Particulates Not Otherwise Classified
	PPE	Personal Protective Equipment
	ppb	Parts per billion
	ppm	Parts per million
	RQ	Reportable Quantity
	SARA	Superfund Amendments and Reauthorization Act (USA)
	TLV	Threshold Limit Value
	TPQ	Threshold Planning Quantity
	TRI	Toxic Release Inventory (USA)
	TSCA	Toxic Substances Control Act (USA)
	TWA	Time Weighted Average
	UN	United Nations

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The information contained herein is believed to be accurate and represents the best data currently available to Reagents but does not purport to be all inclusive. This document is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Reagents makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Reagents will not be responsible for damages resulting from use of or reliance upon this information.