



Safety Data Sheet

Reagent Grade Deionized Water

Section 1. Identification

Product Identifier	Reagent Grade Deionized Water		
Synonyms	MCHEM101; MCHEM100; MSD_SDS0078		
Manufacturer Stock Numbers	MCHEM101; MCHEM100		
Recommended use	N.A.		
Uses advised against	N.A.		
Manufacturer Contact Address	Medline 3 Lakes Drive Northfield, IL, 60093 US		
	Phone	Emergency Phone	Fax
	(800) 633-5463	(800) 424-9300 CHEMTREC	(847) 643-4436
	Website		
	www.Medline.com		

Section 2. Hazards Identification

Classification	No OSHA Hazard Classifications Applicable - Category N.A.
Signal Word	
Pictogram	
Hazard Statements	N/A
Precautionary Statements	
Response	N/A
Prevention	N/A
Storage	N/A

Disposal N/A

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified N.A.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
7732-18-5	Water	100 %

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Description of First Aid Measures: General: First aid measures are not required for this product. If you feel unwell, seek medical advice.
 Inhalation: Not required.
 Skin Contact: Not required.
 Eye Contact: Not required.
 Ingestion: Not required. Call a poison center/doctor/physician if you feel unwell.

Most Important Symptoms and Effects Both Acute and Delayed: General: None expected under normal conditions of use.
 Inhalation: None expected under normal conditions of use.
 Skin Contact: None expected under normal conditions of use.
 Eye Contact: None expected under normal conditions of use.
 Ingestion: Ingestion is not expected to be harmful.
 Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed: Not required.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: None known.

Special Hazards Arising From the Substance or Mixture: Fire Hazard: Not flammable.
 Explosion Hazard: Product is not explosive.
 Reactivity: Product is stable.

Advice for Firefighters: Precautionary Measures Fire: None
 Firefighting Instructions: Use firefighting measures appropriate for the surrounding fire.
 Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Not applicable
 Reference to Other Sections Refer to section 9 for flammability properties.

Section 6. Accidental Release Measures

<p>Personal Precautions, Protective Equipment and Emergency Procedures:</p> <p>For non-emergency personnel:</p> <p>For emergency personnel:</p>	<p>General Measures: Spilled material may present a slipping hazard.</p> <p>Protective equipment: Use appropriate personal protection equipment (PPE). Emergency procedures: Evacuate unnecessary personnel.</p> <p>Protective Equipment: Equip cleanup crew with proper protection.</p> <p>Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.</p>
<p>Environmental Precautions:</p> <p>Methods and material for containment and cleaning up:</p>	<p>Not applicable.</p> <p>For containment: Absorb and/or contain spill with inert material, then place in suitable container.</p> <p>Methods for cleaning up: Clear up spills immediately and dispose of waste safely.</p>
<p>Reference to Other Sections:</p>	<p>See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.</p>

Section 7. Handling and Storage

<p>Precautions for Safe Handling:</p> <p>Conditions for Safe Storage, Including Any Incompatibilities:</p>	<p>Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.</p> <p>Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.</p> <p>Incompatible Materials: None known.</p> <p>Specific End Use(s): Laboratory Reagent.</p>
--	--

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Water	N/A	N/A	N/A
<p>Personal Protective Equipment</p> <p>Control Parameters:</p> <p>Exposure Controls:</p>	<p>N/A</p> <p>No Occupational Exposure Limits (OELs) have been established for this product.</p> <p>Appropriate Engineering Controls: Not required. Personal Protective Equipment: Not required for normal conditions of use. Materials for Protective Clothing: Not applicable. Hand Protection: Not required for normal conditions of use.</p>			

Eye Protection: Not required for normal conditions of use.
Skin and Body Protection: Not required for normal conditions of use.
Respiratory Protection: Not required for normal conditions of use.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Colorless
Odor	Odorless
Odor Threshold	N.A.
Solubility	Soluble
Partition coefficient Water/n-octanol	N.A.
VOC%	N/A
Viscosity	N.A.
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N.A.
FP Method	N.A.
pH	N.A.
Melting Point	0° C
Boiling Point	100°C
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N.A.
Flammability	N/A
Decomposition Temperature	N.A.
Auto-ignition Temperature	N.A.
Vapor Pressure	N.A.
Vapor Density	N.A.

Section 10. Stability and Reactivity

Reactivity: Product is stable.
Chemical Stability: The product is stable at normal handling and storage conditions.
Possibility of hazardous reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Extremely high or low temperatures.
Incompatible Materials: None known.
Hazardous Decomposition Products: None known.

Section 11. Toxicological Information

Information on Toxicological Effects - Product:	Acute Toxicity: Not classified LD50 and LC50 Data: Not available Skin Corrosion/Irritation: Not classified (pH: ~ 7) Serious Eye Damage/Irritation: Not classified (pH: ~ 7) Respiratory or Skin Sensitization: Not classified Germ Cell Mutagenicity: Not classified Teratogenicity: Not available Carcinogenicity: Not classified Specific Target Organ Toxicity (Repeated Exposure): Not classified Reproductive Toxicity: Not classified Specific Target Organ Toxicity (Single Exposure): Not classified Aspiration Hazard: Not classified Symptoms/Injuries After Inhalation: None expected under normal conditions of use. Symptoms/Injuries After Skin Contact: None expected under normal conditions of use. Symptoms/Injuries After Eye Contact: None expected under normal conditions of use. Symptoms/Injuries After Ingestion: Ingestion is not expected to be harmful. Chronic Symptoms: None expected under normal conditions of use. LD50 and LC50 Data: Not available
Information on Toxicological Effects - Ingredient(s):	

Section 12. Ecological Information

Toxicity:	Ecology - General: The product is not considered harmful to aquatic life and will not cause long-term effects in the environment.
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not expected to bioaccumulate.
Mobility in soil:	Not available.
Other adverse effects	Data not available.

Section 13. Disposal

Waste Disposal Recommendations:	If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.
---------------------------------	---

Section 14. Transport Information

UN Number	N/A
-----------	-----

UN Proper Shipping Name Not Regulated
DOT Classification Not Regulated
Packing Group Not Regulated

Section 15. Regulatory Information

SARA 311/312: Refer to Section 2 of the SDS.
SARA 302: N.A.
SARA 304: N.A.
SARA 313: N.A.
TSCA: All components are listed or exempt.
CERCLA Hazardous Substance List: N.A.
Clean Air Act (CAA) Section 112, 112 (r): N.A.
State Regulations: N.A.

Section 16. Other Information

Revision Date 2/13/2024

Legend N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

HMIS (U.S.A.): Health Hazard 0

HMIS (U.S.A.): Flammability 0

HMIS (U.S.A.): Reactivity 0

National Fire Protection Association (U.S.A): Health Hazard 0

National Fire Protection Association (U.S.A): Fire Hazard 0

National Fire Protection Association (U.S.A): Instability Hazard 0

Additional Information:

The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.