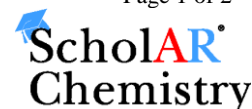


Water, Deionized

MSDS # 786.70

Section 1: Product and Company Identification**Water, Deionized****Synonyms/General Names:** DI water**Product Use:** For educational use only**Manufacturer:** Columbus Chemical Industries, Inc., Columbus, WI 53925.**24 Hour Emergency Information Telephone Numbers****CHEMTREC (USA): 800-424-9300****CANUTEC (Canada): 613-424-6666**

Scholar Chemistry; 5100 W. Henrietta Rd, Rochester, NY 14586; (866) 260-0501; www.Scholarchemistry.com

Section 2: Hazards Identification*Clear, colorless liquid*

This material is not considered hazardous. Not for human consumption .
 Target organs: None known

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

HMS (0 to 4)

Health	0
Fire Hazard	0
Reactivity	0

Section 3: Composition / Information on Ingredients

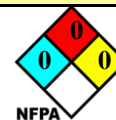
Water (7732-18-5), 100%.

Section 4: First Aid Measures*Always seek professional medical attention after first aid measures are provided.***Do not drink.**

Uncontaminated water should not pose any ill health effects. If ill effects develop, seek professional medical attention immediately.

Section 5: Fire Fighting Measures

Avoid contact with Dangerous When Wet materials and chemicals along with water reactive materials.

**Section 6: Accidental Release Measures**

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Contain spill with sand or absorbent material and place in sealed bag or container for disposal. Wash and dry spill area after pickup is complete. See Section 13 for disposal information.

Section 7: Handling and Storage**Green****Handling:** Wash hands thoroughly after handling.**Storage:** Store in General Storage Area [Green Storage] with other items with no specific storage hazards. Store in a cool, dry, well-ventilated, locked store room away from incompatible materials.**Section 8: Exposure Controls / Personal Protection**

Use ventilation to keep airborne concentrations below exposure limits. Have approved eyewash facility, safety shower, and fire extinguishers readily available. Wear chemical splash goggles and chemical resistant clothing such as gloves and aprons. Wash hands thoroughly after handling material and before eating or drinking. Use NIOSH-approved respirator with a dust cartridge. Exposure guidelines: DI water: OSHA PEL: N/A; ACGIH: TLV: N/A; STEL: N/A.

Section 9: Physical and Chemical Properties

Molecular formula	H ₂ O	Appearance	Clear, colorless liquid.
Molecular weight	18.02.	Odor	No odor.
Specific Gravity	0.99707 g/mL @ 20°C.	Odor Threshold	N/A.
Vapor Density (air=1)	0.7.	Solubility	Complete.
Melting Point	0 °C.	Evaporation rate	N/A. (<i>Butyl acetate = 1</i>).
Boiling Point/Range	100 °C.	Partition Coefficient	N/A. (<i>log P_{ow}</i>).
Vapor Pressure (20°C)	14 mm Hg.	pH	N/A.
Flash Point:	N/A.	LEL	N/A.
Autoignition Temp.:	N/A.	UEL	N/A.

N/A = Not available or applicable

Section 10: Stability and Reactivity**Stability:** Stable under normal conditions of use and storage.**Incompatibility:** Water reactive materials including sodium, potassium, calcium, barium, alkali metal alloys, amalgams, amides, carbides, hydrides, aluminum powders, silicides, cerium, and concentrated acids.**Shelf life:** Good shelf life, store in a cool dry environment.**Section 11: Toxicology Information****Acute Symptoms/Signs of exposure:** None.**Chronic Effects:** No information found.**Sensitization:** none expected*Water: LD50 [oral, rat]; N/A; LC50 [rat]; N/A; LD50 Dermal [rabbit]; N/A**Material has not been found to be a carcinogen nor produce genetic, reproductive, or developmental effects.***Section 12: Ecological Information****Ecotoxicity (aquatic and terrestrial):** Not considered an environmental hazard.**Section 13: Disposal Considerations**

Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national regulations. Small amounts of this material may be suitable for sanitary sewer or trash disposal.

Section 14: Transport Information**DOT Shipping Name:** Not regulated by DOT.**Canada TDG:** Not regulated by TDG.**DOT Hazard Class:****Hazard Class:****Identification Number:****UN Number:****Section 15: Regulatory Information****EINECS:** Not listed.**WHMIS Canada:** Not WHMIS Controlled.**TSCA:** All components are listed or are exempt.**California Proposition 65:** Not listed.

The product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16: Other Information**Current Issue Date:** January 20, 2012

Disclaimer: Scholar Chemistry and Columbus Chemical Industries, Inc., ("S&C") believes that the information herein is factual but is not intended to be all inclusive. The information relates only to the specific material designated and does not relate to its use in combination with other materials or its use as to any particular process. Because safety standards and regulations are subject to change and because S&C has no continuing control over the material, those handling, storing or using the material should satisfy themselves that they have current information regarding the particular way the material is handled, stored or used and that the same is done in accordance with federal, state and local law. S&C makes no warranty, expressed or implied, including (without limitation) warranties with respect to the completeness or continuing accuracy of the information contained herein or with respect to fitness for any particular use.