

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY
1.1. PRODUCT IDENTIFIER

Product form: Liquid
 Trade name: Deionized Water
 Other means of identification: DI Water, HPDI Water, UPW, Water

1.2. RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Universal solvent, . No known restrictions.

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Evoqua Water Technologies, LLC
 210 6th Ave STE 3300
 Pittsburgh, PA 15222-2603
 United States
 www.evoqua.com
 724.772.0044

1.4. EMERGENCY TELEPHONE NUMBER

800.424.9300 (CHEMTREC)

SECTION 2: HAZARD(S) IDENTIFICATION
2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION ACCORDING TO REGULATION (EC) No. 1272/2008 [CLP] | Not a hazardous substance or mixture

2.2. LABEL ELEMENTS

LABELLING ACCORDING TO REGULATION (EC) No. 1272/2008 [CLP/GHS]

HAZARD PICTOGRAM	SIGNAL WORD	HAZARD STATEMENT
		Not a hazardous substance or mixture

UNKNOWN ACUTE TOXICITY

Non-toxic

UNKNOWN HAZARDS TO THE AQUATIC ENVIRONMENT

None

2.3. OTHER HAZARDS

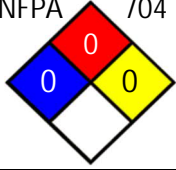
Based on available data, no adverse physicochemical, human health, or environmental effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
3.1. SUBSTANCE(S): Formula: H₂O Molecular Weight: 18.02 g/mol

COMMON NAME (Ingredient / Component)	PRODUCT IDENTIFIER (CAS-No./ EC-No.)	PERCENT BY WEIGHT	CLASSIFICATION ACCORDING TO (EC) No. 1272/2008 [CLP]
Water	CAS No. 7732-18-5 EC No. 231-791-2	100	NONE

SECTION 4: FIRST-AID MEASURES
4.1 DESCRIPTION OF FIRST AID MEASURES

FOLLOWING INHALATION	Remove effected person to fresh air. Give artificial respiration ONLY if breathing has stopped and give CPR ONLY if there is no breathing and no pulse, then obtain medical attention immediately.
FOLLOWING SKIN CONTACT	Not expected to pose a health risk
FOLLOWING EYE CONTACT	Not expected to pose a health risk
FOLLOWING INGESTION	Not expected to pose a health risk, do not induce vomiting, seek medical attention if symptoms develop

SECTION 5: FIREFIGHTING MEASURES					NFPA 704 
NFPA 704	HEALTH = 0	FLAMMABILITY = 0	INSTABILITY = 0	SPECIAL HAZARDS = N/A	
5.1. EXTINGUISHING MEDIA					
Suitable extinguishing media: Water is not expected to burn, focus on surrounding fire					
Unsuitable extinguishing media: None known.					
5.2. SPECIAL HAZARDS ARISING FROM THE MIXTURE					
While water will not burn, if in a close proximity to fire or heat source, then it may transform into steam which can cause severe burns.					
5.3. ADVICE FOR FIREFIGHTERS					
Fire-fighters should wear proper protective equipment, including respiratory protection.					
Wear a Self-Contained Breathing Apparatus (SCBA). Wear fire/flame resistant/retardant clothing (EN469).					
SECTION 6: ACCIDENTAL RELEASE MEASURES					
6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES					
For non-emergency personnel: Evacuate surrounding areas. Keep unnecessary/unprotected personnel from entering.					
For emergency responders: Do not touch or walk through spilled material— water is a SLIPPING HAZARD. Provide adequate ventilation. Wear appropriate personal protective equipment.					
6.2. ENVIRONMENTAL PRECAUTIONS					
No special environmental precautions required.					
6.3. METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP					
Contain any spills with dikes or absorbents to prevent migration and entry into undesirable areas; in general, water is safe for sewers and water courses.					
6.4. REFERENCE TO OTHER SECTIONS					
Section 13: DISPOSAL CONSIDERATIONS. Section 7: HANDLING AND STORAGE. Section 8: PERSONAL PROTECTION.					

SECTION 7: HANDLING AND STORAGE
7.1. PRECAUTIONS FOR SAFE HANDLING
Handle in accordance with good industrial hygiene practices
7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
Keep in the original container, tightly closed and upright to prevent leakage. Store in a cool and dry space, away from incompatible material (Section 10).
7.3. SPECIFIC END USE(S)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1. CONTROL PARAMETERS: OCCUPATIONAL EXPOSURE LIMITS (OELs)	
OSHA PERMISSIBLE EXPOSURE LIMIT (PEL)	Not available.
AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH) THRESHOLD LIMIT VALUE (TLV)	Not available.
DERIVED NO-EFFECT LEVEL (DNEL)	Not applicable.
PREDICTED NO EFFECT CONCENTRATION (PNEC)	Not applicable.
8.2. EXPOSURE CONTROLS	
8.2.1. APPROPRIATE ENGINEERING CONTROLS	
8.2.2. PERSONAL PROTECTIVE EQUIPMENT	

RESPIRATORY PROTECTION	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and the safe working limits of the selected respirator. In case of inadequate ventilation wear respiratory protection. Approved respirator (EN136/140).		
SKIN PROTECTION	Wear suitable protective gloves resistant to chemical penetration (EN374). Suitable protective footwear.		
EYE/FACE PROTECTION	Safety glasses with side-shields or goggles (EN166).		
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE	Colorless liquid.	ODOR	Odorless.
pH VALUE	7 at 18.2 megohm/cm 5.5 – 8.5 at 1.0 megohm/cm	ODOR THRESHOLD	Not applicable.
MELTING/FREEZING POINT	0.0 °C (32.0 °F)	VAPOR PRESSURE	2.3388 kPa (20 °C)
INITIAL BOILING POINT	100.0 °C (212.0 °F)	VAPOR DENSITY	17.3 g/m ³ (20 °C)
BOILING RANGE	Above 100.0 °C (212.0 °F)	RELATIVE DENSITY	0.9982 g/mL (20 °C)
FLASH POINT	Not applicable.	SOLUBILITY (water)	Completely miscible
EVAPORATION RATE	Not applicable.	PARTITION COEFFICIENT: n-octanol/water	0
FLAMMABILITY (solid, gas)	Not flammable.	AUTO-IGNITION TEMP.	Not applicable.
UPPER EXPLOSIVE LIMIT	Not applicable.	DECOMPOSITION TEMP.	Not applicable.
LOWER EXPLOSIVE LIMIT	Not applicable.	VISCOSITY	1.0016 mPa.s (20 °C)
9.2. PHYSICAL HAZARDS			
EXPLOSIVES	Not applicable.	FLAMMABLE GASES	Not applicable.
FLAMMABLE AEROSOLS	Not applicable.	OXIDIZING GASES	Not applicable.
GASES UNDER PRESSURE	Not applicable.	FLAMMABLE LIQUIDS	Not applicable.
FLAMMABLE SOLIDS	Not applicable.	SELF-REACTIVE MIXTURE	Not applicable.
PYROPHORIC LIQUIDS	Not applicable.	PYROPHORIC SOLIDS	Not applicable.
SELF-HEATING MIXTURE	Not applicable.	OXIDIZING LIQUIDS	Not applicable.
OXIDIZING SOLIDS	Not applicable.	MIXTURE WHICH, IN CONTACT WITH WATER EMIT FLAMMABLE GASES	<ul style="list-style-type: none"> • Alkali metals (e.g., lithium, sodium, etc.) • Metal hydrides (e.g., sodium hydride, lithium hydride, etc.) • Complex metal hydrides (e.g., lithium aluminum hydride, sodium aluminum hydride, etc.) • Calcium carbide
METAL CORROSION	Not applicable.		
ORGANIC PEROXIDES	Not applicable.		
9.3. OTHER INFORMATION			
BULK DENSITY	1000 kg/m ³		

SECTION 10: STABILITY AND REACTIVITY	
10.1. REACTIVITY	Water will dissolve most polar substances and will ionize most salts.
10.2. CHEMICAL STABILITY	Stable under normal storage and handling conditions.
10.3. POSSIBILITY OF HAZARDOUS REACTIONS	Hazardous polymerization does not occur.
10.4. CONDITIONS TO AVOID	High heat and sunlight can cause product to evaporate and/or turn to steam.
10.5. INCOMPATIBLE MATERIALS	Alkali Metals, metal hydrides, Calcium carbide

10.6. HAZARDOUS DECOMPOSITION PRODUCTS	Hydrogen gas. Hydroxyl radicals.
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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

HEALTH HAZARDS		CLASSIFIED (YES/NO)	ADDITIONAL INFORMATION
ACUTE TOXICITY	Oral	NO	Based on available data, the classification criteria are not met.
	Dermal	NO	Based on available data, the classification criteria are not met.
	Inhalation	NO	Inhaling water is not toxic but may cause a risk of suffocation.
SKIN CORROSION/IRRITATION		NO	Based on available data, the classification criteria are not met.
SERIOUS EYE DAMAGE/IRRITATION		NO	Based on available data, the classification criteria are not met.
RESPIRATORY OR SKIN SENSITIZATION		NO	Based on available data, the classification criteria are not met.
GERM CELL MUTAGENICITY		NO	Based on available data, the classification criteria are not met.
CARCINOGENICITY		NO	Mixture is not listed in the National Toxicology Program (NTP) Annual Report on Carcinogens. (29 CFR 1910.1001-1050)
REPRODUCTIVE TOXICITY		NO	Based on available data, the classification criteria are not met.
STOT – SINGLE EXPOSURE		NO	Based on available data, the classification criteria are not met.
STOT – REPEATED EXPOSURE		NO	Based on available data, the classification criteria are not met.
ASPIRATION HAZARD		NO	Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. TOXICITY	Acute Hazard to Aquatic Environment	Not a hazard to aquatic environments.
	Chronic Hazard to Aquatic Environment	Not a hazard to aquatic environments.
	Hazardous to Ozone Layer	Liquid water is not hazardous to ozone layer.
12.2. PERSISTENCE AND DEGRADABILITY		Persistent in the hydrologic cycle.
12.3. BIOACCUMULATIVE POTENTIAL		Not available.
12.4. MOBILITY IN SOIL		Mobile in soil, may enter underlying aquifers.
12.5. RESULTS OF PBT and vPvB ASSESSMENT		Not available.
12.6 OTHER ADVERSE EFFECTS		Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

Waste disposal should be in accordance with existing federal state, provincial and or local environmental control laws. For disposal within the EC, refer to the European Waste Catalogue (EWC).

SECTION 14: TRANSPORT INFORMATION

	LAND (ADR-RID-DOT)	INLAND WATERWAY (ADN)	AIR (IATA-ICAO)	SEA (IMDG-IMO)
14.1. UN NUMBER	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2. UN PROPER SHIPPING NAME	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.3. TRANSPORT HAZARD CLASS(ES)	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.4. PACKING GROUP	Not regulated.	Not regulated.	Not regulated.	Not regulated.

14.5. ENVIRONMENTAL HAZARDS	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.6. SPECIAL PRECAUTIONS FOR USER	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code				Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE MIXTURE

15.1.1. EU REGULATIONS

Contains no Substances of Very High concern (SVHC) on REACH Annex XIV ("authorization list").
 Contains no substances on the REACH Annex XVII restricted list.
 Contains no substances on the REACH candidate list.

15.1.2. NATIONAL REGULATIONS

US FEDERAL

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE	Not listed.
SARA 304 EMERGENCY RELEASE NOTIFICATION	Not regulated.
SARA 311/312 HAZARDOUS CHEMICAL	Not regulated.
SARA 313 (TRI reporting)	Not regulated.
CERCLA HAZARDOUS SUBSTANCE LIST (40 CFR 302.4)	Not listed.
OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050)	Not regulated.
CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPs)	Not regulated.
CLEAN AIR ACT (CAA) SECTION 112(r) ACCIDENTAL RELEASE PREVENTION	Not regulated.
SAFE DRINKING WATER ACT (SDWA)	Not regulated.

CANADA

TRANSPORTATION OF DANGEROUS GOODS (TDG)	Not regulated.
WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEMS (WHMIS)	Not regulated.

GERMANY

VwVwS Wassergefährdungsklasse, (WGK) Annex 4	Not regulated.
Störfallverordnung (12.BImSchV) (HAZARDOUS INCIDENT ORDINANCE)	Not regulated.

NETHERLANDS

SZW-lijst van kankerverwekkende stoffen	Not listed.
SZW-lijst van mutagene stoffen	Not listed.
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	Not listed.
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	Not listed.
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	Not listed.

15.1.3 INTERNATIONAL INVENTORIES

COUNTRY	INVENTORY	LISTED (YES/NO)
AUSTRALIA	AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS)	NO
CANADA	DOMESTIC SUBSTANCES LIST (DSL)	NO
	NON-DOMESTIC SUBSTANCES LIST (NDSL)	NO
CHINA	INVENTORY OF EXISTING CHEMICAL SUBSTANCES IN CHINA (IECSC)	NO
EUROPE	EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS)	NO
	EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS)	NO
JAPAN	INVENTORY OF EXISTING AND NEW CHEMICAL SUBSTANCES (ENCS)	NO
KOREA	EXISTING CHEMICALS LIST (ECL)	NO
NEW ZEALAND	NEW ZEALAND INVENTORY	NO
THE PHILIPPINES	PHILIPPINE INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES (PICCS)	NO
UNITED STATES	TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY	NO

& PUERTO RICO	
15.2. CHEMICAL SAFETY ASSESSMENT	
No chemical safety assessment has been carried out.	
SECTION 16: OTHER INFORMATION	
DISCLAIMER	This information is based upon our current knowledge for the sole intended purpose of this product. However, no warranty is expressed or implied regarding the specific properties of the product. It is the buyer's responsibility to ensure that its activities comply with federal, state, and local laws.
REVISION INDICATOR	Revision 7: April 17, 2019. This SDS replaces the former MSDS for this product pursuant to OSHA Hazard Communication Standard (HCS) 29 CFR 1910.1200(g) Appendix D. The MSDS for this product should be considered obsolete. This SDS complies with the fifth revision of the UN GHS, Regulation (EC) No 1272/2008 [CLP], and (EC) No 1907/2006 [REACH], as amended by (EU) 2015/830.
ABBREVIATIONS AND ACRONYMS	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</p> <p>CERCLA: Comprehensive Environmental Response, Compensation and Liability Act.</p> <p>DOT: Department of Transportation</p> <p>HMIS: Hazardous Materials Identification System</p> <p>IATA: International Air Transportation Association</p> <p>IBC CODE: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).</p> <p>ICAO: International Civil Aviation Organization</p> <p>IMDG: International Maritime Dangerous Goods</p> <p>IMO: International Maritime Organization</p> <p>LD50: Lethal Dose for 50% of the test population</p> <p>MARPOL 73/78: International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, as amended.</p> <p>NFPA: National Fire Protection Association</p> <p>PBT: Persistent, Bioaccumulative, Toxic</p> <p>vPvB: Very Persistent and very Bioaccumulative</p> <p>RCRA: Resources Conservation and Recovery Act</p> <p>RID: Regulation concerning the International Carriage of Dangerous Goods by Rail</p> <p>SARA: Superfund Amendments and Reauthorization Act</p> <p>STOT: Specific Target Organ Toxicity</p> <p>VvVwS: Administrative Regulation on the Classification of Substances Hazardous to Waters</p>
REFERENCES	<p>APCISS – Asia-Pacific Chemical Inventory Search System, website: http://apciss.cirs-group.com/</p> <p>ECHA – European Chemicals Agency, website: https://echa.europa.eu/</p> <p>EUR-Lex – Access to European Union Laws: (EU) 2015/830, EC No. 1907/2006 (REACH) and EC No. 1272/2008 (CLP), website: https://eur-lex.europa.eu/</p> <p>GHS – Globally Harmonized System of Classification and Labelling of Chemicals (Rev.7) (2017), website: http://www.unece.org/trans/danger/publi/ghs/ghs_rev07/07files_e0.html</p> <p>NITE – National Institute of Technology and Evaluation, website: https://www.nite.go.jp/</p> <p>OSHA – Occupational Safety and Health Administration (HazCom Standard 29 CFR 1910.1200), website: https://www.law.cornell.edu/cfr/text/29/1910.1200</p> <p>PubChem – U.S. National Library of Medicine, National Center for Biotechnology Information, website: https://pubchem.ncbi.nlm.nih.gov/search/</p> <p>TSCA Inventory Listing – https://iaspub.epa.gov/sor_internet/registry/substreg/searchandretrieve/searchbylist/search.do</p>