

Houghton Chemical Corporation

Safety Data Sheet

WATER, DEIONIZED



Section 1 - Identification			
Manufacturer Address	Houghton Chemical Corporation 52 Cambridge Street, Allston, MA 02134 1-617-254-1010 or 1-800-777-2466		
Emergency Telephone	CHEMTREC: 1-800-424-9300		
Chemical Name & Synonyms	Deionized Water		
Chemical Family	Water		
Recommended Use	Manufacture of chemicals		
Restrictions on Use	Reacts vigorously with some pure alkali metals		
Section 2 – Hazard(s) Identification			
Hazard Classification	Not classified as a hazardous substance or mixture.		
Signal Word	No signal words are applicable		
Hazard Statement	Not a hazardous substance or mixture.		
Pictogram Description	None.		
Precautionary Statement	No precautionary statement is applicable.		
Any other Hazard not otherwise classified	No additional hazard information available.		
Section 3 – Composition and Information on Ingredients			
Chemical Name	Common name and synonyms	CAS #	% by weight
Deionized water	Water	7732-18-5	100%
Section 4 – First aid Measures			
Symptoms of Exposure			
Acute	No symptoms expected.		
Delayed	No symptoms expected.		
Inhalation	None expected under normal use.		
Skin	None expected under normal use.		
Eye Contact	None expected under normal use.		
Ingestion	Avoid ingestion as low mineral count in Deionized Water may or may not be harmful.		
First Aid Instructions			
Inhalation	None expected under normal use.		
Skin	None expected under normal use.		
Eye Contact	None expected under normal use.		
Ingestion	May or may not cause issues when ingested due to low mineral content.		
Other	None expected under normal use.		
Section 5 – Fire Fighting Measures			
Suitable Extinguishing Material	Use extinguishing media appropriate for surrounding fire.		
Unsuitable Extinguishing Material	N/A		
Hazards from Combustion	N/A		
Special Protective Equipment for Firefighters	Do not enter the fire area without appropriate protection.		
Section 6 – Accidental Release Measures			
Use of personal precautions	Upon arrival on the scene, first responders are expected to recognize the presence of dangerous goods, secure the area, and call for assistance if conditions require.		
Protective equipment to prevent the contamination of skin, eyes, and clothing.	Use appropriate personal protective equipment.		
Methods and materials used for containment	Absorb and contain spills with inert material, then place in suitable container.		

Cleanup procedures	No environmental precautions applicable.	
Section 7 – Handling and Storage		
Precautions for safe handling	Handle in accordance with proper industrial hygiene and safety procedures.	
Recommendations on the conditions for safe storage, Storage/handling incompatibilities.	Store in a dry, cool and well-ventilated place. Keep container closed when not in use.	
Section 8 – Exposure Controls/Personal Protection		
OSHA Permissible Exposure Limits (PELs)	None listed	
American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values	None listed	
Other Exposure Limits	None listed	
Engineering Control	Not required under normal use.	
Individual Protection Measures	Not required for normal use.	
Section 9 – Physical and Chemical and Chemical Properties		
Appearance (physical state, color, etc.)	Clear, colorless liquid	
Upper/lower flammability or explosive limits	N/A	
Odor	Odorless	
Vapor pressure	17.54 mm Hg at 20°C	
Odor threshold	N/A	
Vapor density (air = 1)	1.62	
pH	~7.0	
Relative density	1.00 g/cm ³ at 3.98°C (39.16°F)	
Freezing point (as 50%)	0.0°C(32.0°F)	
Solubility(ies)	Completely soluble in water	
Initial boiling point and boiling range	100°C(212°F)	
Flash point	Not applicable	
Evaporation rate (Butyl Acetate = 1)	0.33	
Flammability (solid, gas)	Not Flammable	
Partition coefficient: n-octanol/water	No data available	
Auto-ignition temperature	N/A	
Decomposition temperature; and	No data available	
Viscosity	No data available	
Section 10 – Stability and Reactivity		
Reactivity	Product is stable under typical temperatures of use.	
Chemical Stability	Product is stable under typical temperatures of use.	
Hazardous Reactions	Hazardous polymerization will not occur.	
Conditions to Avoid	Extreme heat, freezing temperatures.	
Incompatible Materials	Alkali metals, materials identified as "dangerous when wet".	
Decomposition Products	Will not decompose under typical condition of use.	
Section 11 – Toxicological Information		
Likely Routes of Exposure	Possible ingestion issues.	
	Effects from Short Term Exposure	Effects from Long Term Exposure
Delayed Effects	None expected under normal use.	None expected under normal use.
Immediate Effects	None expected under normal use.	None expected under normal use.
Chronic Effects	None expected under normal use.	None expected under normal use.
The numerical measures of toxicity (e.g., acute toxicity estimates such as the LD50 (median lethal dose)) - the estimated amount [of a substance] expected to kill 50% of test animals in a single dose.	No data available.	
Description of the symptoms. This description includes the symptoms associated with exposure to the chemical including symptoms from the lowest to the most severe exposure.	None expected under normal conditions.	

Listed in the National Toxicology Program (NTP) Report on Carcinogens?	Not listed.	Found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs?	Not listed.	Found to be a potential carcinogen by OSHA?	Not listed.
Section 12 – Ecological Information					
Ecotoxicity	This product is not considered harmful to aquatic life and will not cause long-term effects in the environment.				
Persistence and Degradability	N/A				
Bioaccumulation	Not expected to bioaccumulate significantly				
Mobility in Soil	No data available.				
Other Adverse Effects	No data available.				
Section 13 – Disposal Considerations					
Do not dump into sewers, on ground or into any bodies of water. Contact local sewer, municipal, state and/or federal agencies to determine appropriate disposal options					
Section 14 – Transport Information					
Is product DOT regulated in Non-Bulk packaging?				N/A	
DOT BULK					
UN number				N/A	
UN proper shipping name				N/A	
Transport hazard class(es)				N/A	
Packing group number				N/A	
Environmental hazards (e.g., identify if it is a marine pollutant according to the International Maritime Dangerous Goods Code (IMDG Code))				N/A	
Guidance on transport in bulk (according to Annex II of MARPOL 73/783 and the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code (IBC Code))				N/A	
Any special precautions which an employee should be aware of or needs to comply with, in connection with transport or conveyance either within or outside their premises				N/A	
Section 15 – Regulatory Information (Not indicated anywhere else on this SDS)					
Safety Regulations		A registration number is not available for this substance, as the substance is exempted from registration.			
Health Regulations		This product does not appear on any US state list.			
Environmental Regulations		Not available.			
SARA 311/312		Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312		No components in this material are subject to the reporting requirements of SARA, Title III, Section 302.	
HMIS		Blue/Health		0	
		Red/Flammability		0	
		Orange/Physical Hazard		0	
		White/Personal Protection		X	
NFPA 0 (no hazard) to 4 (severe risk)		Health (Blue)		0	
		Flammability (Red)		0	
		Instability/Reactivity (Yellow)		0	
		Special (White)		0	

US Toxic Substance Control Act	Components of this product listed in the February 2019 TSCA Inventory update are designated as ACTIVE or are exempt from Inventory requirements under 40 CFR 720.30
CEPA – Domestic Substances List (DSL)	All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

Section 16 – Other Information

The information herein is provided in good faith and believed to be accurate as of the effective revision date shown. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/ user's responsibility to ensure that activities comply with all federal, state, provincial or local law.

Product Dilutions Differentials

Properties¹	60%	50%	40%	35%	30%	25%
WATER, DEIONIZED		0%				
Performance Additives and Water		0%				
Specific Gravity (15/15°C 60/60°F)						
Reserve Alkalinity (minimum)						
Freeze Point (maximum)		0.0°C(32.0°F)				

¹Data for the concentrate is based on volume of Deionized water; data for mixtures is based on volume of WATER, DEIONIZED.

Revision Date: 7/18/2019