## SAFETY DATA SHEET

Section 1

**Chemical Product and Company Identification** 

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# Innovating Science<sup>®</sup> by Aldon Corporation

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177 **CHEMTREC 24 Hour Emergency** Phone Number (800) 424-9300 For laboratory use only.

Avon, NY14414-9409For laboratory use only.(585) 226-6177Not for drug, food or household use.
UTION
er Solution
Precautionary statement(s): P264: Wash hands thoroughly after handling. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313: If skin irritation occurs: Get medical attention. P337+P313: If eye irritation persists: Get medical attention.

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

Section 3	Composition / Information on Ingredients					
Chemical Name		CAS #	%	EINECS		
Water Hydrochloric acid		7732-18-5 7647-01-0	90.57% 9.43%	231-791-2 231-595-7		
Section 4	First Aid Measures					

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY CAUSE IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

### Section 5

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam.

**Fire Fighting Measures** 

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Contact with metals produce hydrogen, which is flammable and may produce explosive mixtures with air.

#### Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Neutralize spill with sodium bicarbonate or calcium hydroxide, absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

### Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Protection					
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)	Г	
Exposure Limits.	Hydrogen chloride	STEL: C 2 ppm / C 2.98 mg/m <sup>3</sup>	STEL: C 5 ppm / C 7 mg/m <sup>3</sup>	STEL: C 5 ppm / C 7 mg/m <sup>3</sup>	1	

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

approved respirator.								
Section 9	Physical & Chemical Prop	erties						
Appearance: Clear, colorless liquid. Odor: Pungent odor. Odor threshold: Data not available. pH: N/A Melting / Freezing point: Approx. 0°C (32°F) [water] Boiling point: Approx. 100°C (212°F) [water] Flash point: Not flammable.		Evaporation rate (=1): Data not available. Flammability (solid/gas): Data not available. Explosion limits: Upper/Lower: Data not available. Vapor pressure (mm Hg): 14 [water] Vapor density (Air = 1): 0.7 [water] Relative density (Specific gravity): 1.0 [water] Solubility(ies): Soluble in water.		Partition coefficient: (n-octanol / water): Data not availa Auto-ignition temperature: Data not available. Decomposition temperature: Data not available. Viscosity: Data not available. Molecular formula: Mixture Molecular weight: Mixture				
Section 10	Stability & Reactivity							
•	Chemical stability: Stable Hazardous polymerization: Will not occur.   Conditions to avoid: Containers may burst when heated. Avoid contact with water.							
Incompatible materials: Metals, bases, active metals, alkali metals, oxidizing agents, hydroxides, amines, carbonates, cyanides, sulfides, sulfites, formaldehyde.								
Hazardous decomp	osition products: Hydrogen cl	nloride gas.						
Section 11	Toxicological Information							
Acute toxicity: Data not available   Skin corrosion/Irritation: Data not available at this dilution.   Serious eye damage/irritation: Data not available at this dilution.   Respiratory or skin sensitization: Data not available   Germ cell mutagenicity: Data not available   Carcinogenity: Data not available   NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.   IARC: Group 3: Not classifiable as to its carcinogenicity to humans.   OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.   Reproductive toxicity: Data not available   STOT-single exposure: Data not available   Aspiration hazard: Data not available   Potential health effects: To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available.   Exercise appropriate procedures to minimize potential hazards.   Inhalation: May be harmful if inhaled. Material may cause irritation to the tissue of the mucous membranes and upper respiratory tract.   Ingestion: May be harmful if swallowed.   Skin: May cause irritation and/or burns.   Eyes: May cause irritation and/or burns.   Signs and symptoms of exposure. Data not available at this dilution.   Addition								
Section 12	Ecological Information							
Toxicity to fish: LC50 - Gambusia affinis (Mosquito fish) - 282 mg/l - 96 h (Hydrochloric acid)   Toxicity to daphnia and other aquatic invertebrates: No data available   Toxicity to algae: No data available   Persistence and degradability: No data available   Bioaccumulative potential: No data available   Mobility in soil: No data available   Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.								
Section 13	Disposal Considerations							
These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency. Section 14 Transport Information (US DOT / CANADA TDG)								
UN/NA number: UN1789 Shipping name: Hydrochloric acid   Hazard class: 8 Packing group: III Reportable Quantity: 5000 lbs (2270 kg) Marine pollutant: No   Exceptions: Limited quantity equal to or less than 5 Lt 2016 ERG Guide # 157								
Section 15 Regulatory Information								
A chemical is considered Compone	d to be listed if the CAS number for t	ne anhydrous form	-	RCRA code	DSL	NDSL		
Hydrochloric acid	in.	Listed	CERLCA (RQ) Not listed	D002	Listed	Not listed		
		LISICU		0002	LISICU			
		1	1				1	
Section 16	Other Information							
The information contain	ed herein is furnished without warrar	ity of any kind. En	nployers should use this i	nformation only as a su	upplement to othe	er information gather	ed by them and must make indepen-	

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

Form 06/2015