SDS No.: HH0100

SAFETY DATA SHEET

CORROSIVE STORAGE CODE WHITE

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Section 1

Identification

500 Greenview Court Vernon Hills, Illinois 60061-1862 Phone: (847) 968-5050

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory and industrial use only.

Not for drug, food or household use.

Product HYDROCHLORIC ACID, 0.1 MOLAR (0.1 NORMAL) SOLUTION						
Synonyms Muriatic Acid, Water Solution / Hydrogen Chloride, Water Solution						
Section 2 Hazards identification						
Signal word: WARNING Pictograms: None required Target organs: Respiratory system, skin, eyes, lungs. GHS Classification: Skin irritant (Category 3) Eye irritant (Category 2B) GHS Label information: Hazard statement(s): H316: Causes mild skin irritation. H320: Causes eye irritation.	Precautionary statement(s): P264: Wash hands thoroughly after handling. P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 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.					

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / information on ingredients					
Chemical Name		CAS #	%	EINECS		
Water Hydrochloric acid		7732-18-5 7647-01-0	99.68% 0.314%	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 Fire fighting measures

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

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: 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 and 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)			
Exposure Limits.	Hydrogen chloride	STEL: C 2 ppm / C 2.98 mg/m ³	STEL: C 5 ppm / C 7 mg/m ³	STEL: C 5 ppm / C 7 mg/m ³			

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								
	lo data available ble point: ~ 0°C (~ 32°F) [w 00°C (212°F) [water]	// Evaporati Flammabi Explosior Vapor pre Vater] Vapor der Relative d	on rate (= 1): < 1 lity (solid/gas): No data l limits: Upper/Lower: N ssure (mm Hg): 14 [wate lisity (Air = 1): 0.7 [water lensity (Specific gravity) (ies): Complete.	lo data available er] 	Auto-igniti Decompos Viscosity: Molecular	ion temperature	re.	
Section 10 Stability and reactivity								
Chemical stability: Conditions to avoi	Stable d: Containers may burst		ardous polymerization: I contact with water.	Will not occur.				
formaldehyde.			tals, oxidizing agents, hyd	roxides, amines, car	bonates, cyani	des, sulfides, sul	fites,	
Hazardous decom	position products: Hyd	rogen chloride gas.						
Section 11	Toxicological infor	mation						
Carcinogenity: Da NTP: No compone IARC: Group 3: No OSHA: No compor Ca Prop 65: This pr Reproductive toxis STOT-repeated ex: Aspiration hazard Potential health ef Exercise appropriat Inhalation: May be Ingestion: May be I Skin: May cause in Eyes: May cause in Signs and sympto	nt of this product present t classifiable as to its card ent of this product preser oduct does not contain an city : Data not available soure : Data not available posure : Data not available fects : To the best of our e procedures to minimize harmful if inhaled. Mater harmful if swallowed. itation and/or burns. ritation and/or burns. ms of exposure : Data not titon : RTECS # : MW402	at levels greater that cinogenicity to huma nt at levels greater th ny chemicals known at this dilution. ole knowledge the chem potential hazards. ial may cause irritation not available at this d 25000 [Hydrochloric	an or equal to 0.1% is ide to the State of California t nical, physical and toxicolo on to the tissue of the muc ilution.	ntified as a carcinog o cause cancer or re gical properties hav	en or potential productive toxi e not been thor	carcinogen by O city. roughly investiga		
Toxicity to daphnia Toxicity to algae: N Persistence and do Mobility in soil: No Other adverse effe	a and other aquatic inve lo data available egradability: No data av o data available cts: An environmental ha	ertebrates: No data a railable Bioacc PBT ar azard cannot be excl	ng/l - 96 h (Hydrochloric a available cumulative potential: No nd vPvB assessment: N uded in the event of unpro	data available o data available	or disposal.			
Section 13	Disposal considera							
		f in accordance wit					container. State and/or local emical disposal agency.	
UN/NA number:	•		: Not Regulated					
Hazard class: N Exceptions: No	ot applicable	Packing group:	Not applicable e # Not applicable	Reportable Qu	antity: No	Ма	arine pollutant: No	
Section 15 Regulatory information								
	ed to be listed if the CAS nur							
Compor		TSCA		RCRA code	DSL	NDSL	CA Prop 65	
Hydrochloric acid, 0	.1M	Listed	Not listed	Not listed	Not listed	Not listed	This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.	
Section 16	Other information							

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