MATERIAL SAFETY DATA SHEET

1533 W.Henrietta Rd.

ALBON	CORPO	RATION	1533 W.Henrii Avon, New Yo (716) 226-617	rk 14414		ISDS No ffective		H 110 ovember 5, 1996	
SECTIO	V I	NAME		24 HOUR	EMER	GEN	CY AS	SISTANCE	
Product	HYDROCI	HLORIC ACID S		CHEMTREC 800-424-9300 Health 1 Day 716-226-6177 Fire 0					
Chemical Synonyms	Hydrochlo	ric Acid 0.5% - 4°	<						
Formula	Mixture,		NFPA Reactivity 1						
Unit Size	up to 4 Lit	ers.]]	HAZARD RATING HMIS*					
C.A.S. No.	Mixture,				0 1		DERATE HIGH EXTREME 2 3 4		
SECTIO			DIENTS	OF MIXT	URES				
Principal Component(s)					%		TLV Units		
Hydro	ochloric Acid S	Solutions: (CAS I	No. 7647-01-0)	 	0.5-	4%	See Section V.		
Wate	r: (CAS No.	7732-18-5)			96-9	96-99%		None established.	
CAU	TIONI MAY	CAUSE IRRIT	ATION TO						
		MUCOUS ME	MBRANES.						
SECTIO		PHYS	ICAL DAT	Ά					
Melting Poin	t (°F)	Freezing point 0°C (32°F)		Specific Gr	avity (H ₂ O =	H ₂ O = 1)		Арргох. 1.0	
Boiling Point (°F)		Approx. 100°C (212°F)		by Volume	Percent Voletile by Volume (%)		100%		
Vapor Pressure (mm Hg)		14 (water)	Evaporatio (vaporation Rate (Ether =1)		Greater than 1.			
Vapor Density (Air=1)		0.7 (water)							
Solubility in Water		Complete.							
Appearance		Clear, colories						· · · · · · · · · · · · · · · · · · ·	
SECTIO Flash Point (Method Used)	Non-flan		Flamm	EXPLOSION H. Flammable Limits in Air % by Volume		AZARD DA		Upper	
xtinguisher dedia	Use any	Use any media suitable for extinguishing supporting fire.							
SPECIAL FI PROCEDUR	REFIGHTIN IES	ln fi	ire conditions, athing apparat	wear a NIOS us and full pr	H/MSHA-a otective clo	pprove thing.	d self-con	tained	
		ONSE GUIDEBO	OK, DOT P	800.5, GUID	E PAGE N	O. 60)			
UNUSUAL F EXPLOSION	FIRE AND HAZARDS								
		Nor hyd	ı-combustible, rogen which m	but contact v	vith commo	n meta res wit	ils produce	3	

SECTION V	7	Н	EALTH HAZA	RD DA	TA	-		HH 110		
Threshold Limited Value			Hydrogen chloride as gas or fume: TWA Calling Limits.							
			TWA: 5 ppm; 7 mg/m ³ (AIR). (ACGIH 1992-93).							
Effects of Ov	erexpo		Hydrochloric acid solutions may cause skin or eye irritation. May be irritant to mucous membranes. <u>INGESTION</u> : May be harmful if swallowed. Exercise appropriate procedures to minimize potential hazards.							
Emergency First Aid Pro	and ocedur	es	INGESTION: If swallowed, if conscious, give several glasses of water or milk to drink. Do NOT induce vomiting. Call physician immediately. Never give anything by mouth to an unconscious person. EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyellds occasionally. Get immediate medical attention. SKIN: Flush with soap and water. If irritation develops, get medical attention. INHALATION AS MIST: Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.							
SECTION V	4	R	EACTIVITY DA	λTA						
Stability Un	Instable		Conditions to		-					
Stability	able	Х				Excessive	e temperatures	or heat.		
	Materials to Avoid) Will react with most metals, alkalies, strong oxidants.									
Hazardous Decomposition	on Proc	lucts	Hydrogen chloride gas may be evolved by heating. Hydrogen gas evolved by reaction with metals.							
Hazardous Pol	ymeriza	tion	Conditions to Avoid							
May Occur	Will N	ot Occur				Not applic	able.			
SECTION V		х	PILL OR LEAK							
Steps to be to material is re Waste Dispos	leased	or spille	Carefully r with copio charge, treatment, or dis	us amour	its of wa	ter.	onate and flusi State or Local lat talog-size quantit			
		Ca se	refully neutralize with wer with copious amo	sodium ounts of w	bicarbor /ater.	nate, soda a	ish, or lime and	f flush to		
SECTION V	/III	SI	PECIAL PROT	ECTIO	N IN	ORMA	TION			
Respiration Protect (Specify Type)	tion	None nee	eded in normal labora vear NIOSH/MSHA-a	tory hand	lling. In	misty cond	itions work in v	entilation		
Ventilation	Local Ex	haust	None needed		ecial		No.			
		cal (General)	None needed				No.			
Protective G	loves	R	ubber.	Eye P	rotec	tion	Chemical safet	v glasses.		
Other Protective Equipment		Smock, apr	on, eye wash station,	goggles,	ventilati					
SECTION I		SI	PECIAL PREC	AUTIC	ONS					
Precautions to in Handling & S	be Take Storing		Store in a cool place							
Keep container tightly clo	sed when no		Wash thoroughly afte		_					
Other Precau	tions	Road label on	container before using. Do no	t wear conta	ct leruses w	hen working wit	h chemicals.			
			Remove and wash o	ontamina	led cloth	ing.				
For laboratory use or	ly. Not for	drug, food or	household use. Keep o	ut of reach	of childre	n.				
Revision No	. 8 Da	ite 11/0	5/96 Approved	Mic	chael Ra	szeja	Chemical Salety Coordinator	MR		
gathered by them and mu materials and the safety a	a nerein (s fyr ist make inde ind health of i	nished without w pendent determi employees. * H	varranty of any kind. Employs Institute of suitability and com exandous Materials Industrial	ers should us plateness of Standards, i	e this infom Information Printed on r	nation only as a from all source: acycled paper.	supplement to other s to assure proper us	Information se of these		

Hydrochloric acid, Solution, 8, UN 1789, PG II Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

D.O.T.