



MATERIAL SAFETY DATA SHEET

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I Chemical Product and Company Identification	Product Name L/S/R			Emergency (800)831-9889	
	Product Code 02791278 UPC-A 774205550256 SCC 10774205550253			Medical(Collect) (303)592-1024	
	Manufacturer JOHNSON DIVERSEY INC. 3630 E. KEMPER RD CINCINNATI, OH 45241-2046			Chemtree (800)424-9300 Date 03/18/1997	
	Chemical Family LIQUID ACIDIC DESCALER				
II Composition/ Information on Ingredients	Chemical Name of Hazardous Ingredient HYDROGEN CHLORIDE (7647-01-0) PHOSPHORIC ACID (7664-38-2)		% <2 <30	Exposure Limits TLV C 5; PEL C 5 TLV 1; PEL 1; ST 3	Units PPM MG/M3
III Hazards Identification	Signs and Symptoms of Exposure CORROSIVE TO SKIN AND EYES. MISTS ARE CORROSIVE TO SKIN, EYES AND RESPIRATORY TRACT.				
	CHRONIC SAME AS ACUTE				
	HMIS: Health 3 Flammability 0 Reactivity 0 Personal Protection D				
	Conditions Aggravated SENSITIVE SKIN AND EYES				
	Carcinogen Info NONE NTP IARC OSHA				
	Target Organs or System				
	Routes of Exposure: Inhalation ☒ Skin ☐ Ingestion ☒				
IV First Aid Measures	Inhalation REMOVE TO FRESH AIR.				
	Eyes FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.				
	Skin FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.				
	Ingestion GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.				
V Fire Fighting Measures	Fire Control Measures/Equipment NONE				
	Flammable Property Info				
	Explosion Info NONE				
	Extinguishing Media CO2, FOAM				
	Gases				

VI Accidental Measures	Spill and Leak Clean Up Procedures	WIPE UP SMALL AMOUNTS. RESTRICT LARGE AMOUNTS AND NEUTRALIZE WITH BICARBONATE OF SODA. PUT RESIDUE INTO SOLID WASTE. REPORTABLE QUANTITY (R.Q.) OF PRODUCT: 15,873 LBS. OR 1,600 GAL.								
	Environmental Precautions									
VII Handling and Storage	Ventilation Required?	YES Instructions PRODUCING NORMAL AIR DILUTION								
	Safe Storage, Handling and Use Instructions	DO NOT PRESSURE CONTAINER TO EMPTY. KEEP FROM FREEZING. KEEP CAP ON CONTAINER.								
	Incompatible Materials									
VIII Exposure Controls/ Personal Protection	Protective Gloves	ACID RESISTANT								
	Eye Protection	GOGGLES WHEN POURING								
	Respiratory Protection	IF PEL/TLV MAY BE EXCEEDED, USE A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR WITH A HIGH EFFICIENCY PARTICULATE FILTER.								
	Other Protective Clothing Equipment	WEAR CHEMICAL APRON WHEN HANDLING								
IX Physical and Chemical Properties	Characteristics of Hazardous Chemical									
	Vapor Pressure	17.5	MmHg@	20 °C	Vapor Density(Air=1)	N/A	pH	Water Solubility	100	%
	Appearance & Odor					CLEAR RED LIQUID; PUNGENT ODOR				
	Boiling Point	215	°F	Melting Point	°F	Flammability Limits in Air By Volume: Upper		NONE	Lower	NONE
	Flash Point	NONE	°F	Auto Ignition	N/A	°F	Oxidizing Properties			
	Specific Gravity	1.19				Volatile by Volume		60	%	
	Evaporation Rate(n-Butyl Acetate=1)					<1				
X Stability and Reactivity	Peroxide, Pyrophoric, Unstable or Water Reactive					NONE				
	Reactivity and Hazardous Polymerization					NONE				
	Possible Hazardous Reactions									
	Conditions to Avoid									
	Materials To Avoid	CONCENTRATED ALKALIS, REACTIVE METALS								
	Hazardous Decomposition Products	HCL, CO WITH INCOMPLETE COMBUSTION								
XI Toxicological Information										
XII Ecological Information	Possible Effects and Environmental Fate									
	Degradability									
	Aquatic Toxicity									
XIII Disposal Consideration	Method of Disposal, Residues and Safe Handling	USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL. ALL CHEMICAL COMPONENTS ARE ON TSCA INVENTORY.								
	Disposal of Contaminated Material	HCL, CO WITH INCOMPLETE COMBUSTION								
XIV Transport Information	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.,(PHOSPHORIC ACID,HYDROCHLORIC ACID), 8, UN3264, PG II, ERG NO. 60, NAERG NO. 154									
XV-Regulatory Information										
XVI-Other Information										
S.A.R.A. Title III Section 313	THIS PRODUCT CONTAINS THESE SARA TITLE III SECTION 313 CHEMICALS AS INGREDIENTS IN THE FOLLOWING CONCENTRATIONS: HYDROCHLORIC ACID (CAS #7647-01-0) AT 1.9% AND PHOSPHORIC ACID (CAS #7664-38-2) AT 30%.									
State Right to Know Information	PHOSPHORIC ACID - CAS #7664-38-2 HYDROCHLORIC ACID - CAS #7647-01-0 WATER - CAS #7732-18-5									