

I Chemical Product and Company Identification	Product Name SUMA CALC D5 4X1CS			Emergency (800)831-9889	
	Product Code 57236280 UPC-A 774205555794 SCC 10774205555791			Medical(Collect) (303)592-1024	
	Manufacturer JOHNSONDIVERSEY INC. 3630 E. KEMPER RD CINCINNATI, OH 45241-2046			Chemtree (800)424-9300	
				Date 06/27/2002	
Chemical Family DESCALER					
II Composition/ Information on Ingredients	Chemical Name of Hazardous Ingredient		%	Exposure Limits	Units
	NITRIC ACID 7697-37-2 PHOSPHORIC ACID 7664-38-2		10 22	TLV 5.2 STEL 10 TWA 1 STEL 3	MG/M3 MG/M3
III Hazards Identification	Signs and Symptoms of Exposure	A C U T E C H R O N I C EYES: SEVERE BURNS, TISSUE DAMAGE, OR IRRITATION WITH PAIN, SWELLING, BLURRED OR IMPAIRED VISION, BLINDNESS. SKIN: SEVERE BURNS, TISSUE DESTRUCTION, BLISTERS OR RASH WITH SWELLING AND PAIN. INGESTION: MAY BE FATAL. SEVERE BURNS TO MOUTH AND THROAT MAY RESULT WITH PAIN,			
		GASTRIC PERFORATION AND DIFFICULTY IN SWALLOWING OR BREATHING. INHALATION: SPRAY OR MISTS CAUSE BURNS OR SEVERE IRRITATION TO NOSE, THROAT AND RESPIRATORY TRACT WITH PAIN, CHOKING, AND EXPERIENCE DIFFICULTY IN BREATHING. CHRONIC: SAME AS ACUTE EFFECTS.			
	HMIS: Health 3 Flammability 0 Reactivity 0 Personal Protection C				
	Conditions Aggravated DERMATITIS OR SENSITIVE SKIN.				
	Carcinogen Info NONE NTP IARC OSHA				
	Target Organs or System EYES, SKIN, MOUTH AND ESOPHAGUS.				
	Routes of Exposure: Inhalation ☒ Skin ☒ Ingestion ☒				
IV First Aid Measures	Inhalation	REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION. INGESTION CONT: NEVER GIVE FLUIDS BY MOUTH TO AN UNCONSCIOUS PERSON.			
	Eyes	IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN. HOLD EYELIDS APART TO COMPLETELY FLUSH ALL CHEMICALS FROM ENTIRE EYE SURFACE. GET IMMEDIATE MEDICAL ATTENTION.			
	Skin	FLUSH THOROUGHLY WITH PLENTY OF WATER. WASH WITH MILD SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES AND CLEAN BEFORE REUSE. GET MEDICAL ATTENTION FOR ANY PAINFUL, RED OR INJURED SKIN			
	Ingestion	IF SWALLOWED, RINSE MOUTH WITH WATER. DILUTE BY DRINKING SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING: IF PATIENT VOMITS, RE RINSE MOUTH. GET IMMEDIATE MEDICAL ATTENTION.			
V Fire Fighting Measures	Fire Control Measures/ Equipment	WEAR FULL PROTECTIVE GEAR AND POSITIVE PRESSURE BREATHING APPARATUS (SCBA) IN FIRE AREA.			
	Flammable Property Info	NONE			
	Explosion Info	NONE KNOWN.			
	Extinguishing Media	WATER, WATER SPRAY, CO2, FOAM OR DRY POWDER.			
	Gases	NONE			

VI Accidental Measures	Spill and Leak Clean UP Procedures	CONTAIN SPILL. WEAR PROTECTIVE CLOTHING . SOAK UP OR ABSORB LIQ. ON SUITABLE ABSORBENT MATERIAL. COLLECT AND PLACE IN CHEMICAL WASTE CONTAINER. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. FLUSH SPILL AREA WITH WATER. THE REPORTABLE QUANTITY (RQ) OF NITRIC ACID, CAS #7697-37-2 IS 776.40 GALLONS OR 2100.8 GALLONS OR 2,352.9 LBS.										
	Environmental Precaution:											
VII Handling and Storage	Ventilation Required?	NONE Instructions NONE REQUIRED.										
	Safe Storage, Handling and Use Instructions	CONTAINS NITRIC ACID. DILUTE PRODUCT ONLY WITH WATER OR BY LABEL DIRECTIONS. KEEP CONTAINER CLOSED. WEAR PROTECTION WHEN HANDLING. DO NOT MIX WITH OILS,DETEGENTS OR CHLORINATED CLEANERS. TOXIC GASSES MAY BE RELEASED. WOOD,PAPER OR OILY RAGS CAN CAUSE FIRE										
	Imcompatible Materials ALKALIS; SOFT METALS.											
VIII Exposure Controls/ Personal Protection	Protective Gloves	ACID RESISTENT.										
	Eye Protection	CHEMICAL GOGGLES IF CONTACT OR SPLASH HAZARD EXISTS.										
	Respiratory Protection	USE NIOSH/MSHA APPROVED RESPIRATOR WHERE TLV/PEL MAY BE EXCEEDED.										
	Other Protective Clothing Equipment	RUBBER BOOTS & CHEMICAL RESISTANT APRON IF CONTACT OR SPLASH HZRD EXISTS. EYEWASH & SAFETY SHOWER IN AREA IF CONTACT OR SPLASH EXIS										
IX Physical and Chemical Properties	Characteristics o of Hazardous Chemical											
	Vapor Pressure	N/A	MmHg@	NA	°C	Vapor Density(Air=1)	N/A	pH	1.5	Water Solubility	SOL	%
	Appearance & Odor		RED CLEAR LIQUID, ACID NOTE.									
	Boiling Point	215	°F	Melting Point		°F	Flammability Limits in Air By Volume: Upper		N/A	Lower	N/A	
	Flash Point	NONE	°F	Auto Ignition		°F	Oxidizing Properties					
	Specific Gravity	1.12				Volatile by Volume		N/A	%			
	Evaporation Rate(n-Butyl Acetate=1)											
	X Stability and Reactivity	Peroxide, Pyrophoric, Unstable or Water Reactive	STABLE									
Reactivity and Hazardous Polymerization		NONE KNOWN.										
Possible Hazardous Reactions		NONE										
Conditions to Avoid		NONE										
Materials To Avoid		ALKALIS; SOFT METALS.										
Hazardous Decomposition Products		OXIDES OF PHOSPHORUS; OXIDES OF NITROGEN.										
XI Toxicological Information	NO DATA AVAILABLE.											
XII Ecological Information	Possible Effects and Environmental Fate NO DATA AVAILABLE											
	Degradability											
	Aquatic Toxicity											
XIII Disposal Consideration	Method of Disposal, Residues and Safe Handling	ADJUST PH OF DILUTED PRODUCT AND DISCHARGE TO INDUSTRIAL SEWER IN ACCORDANCE WITH DISCHARGE PERMIT OR LOCAL POTW REGULATIONS. USE PRODUCT IN CONTAINER UNTIL EMPTY. TRIPLE RINSE CONTAINER WITH WATER AND ADD TO PROCESS. RECYCLE OR DISPOSE OF CONTAINER ACCORDING TO PRODUCT LABELING OR FEDERAL, STATE OR LOCAL REGULATIONS.										
	Disposal of Contaminated Material	OXIDES OF PHOSPHORUS; OXIDES OF NITROGEN.										
XIV Transport Information	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (NITRIC ACID, PHOSPHORIC ACID) CLASS 8, UN3264, PG II, NAREG NO. 154											
XV-Regulatory Information												
XVI-Other Information												
S.A.R.A. Title III Section 313		NONE										
State Right to Know Information		WATER - CAS #7732-18-5 NONIONIC SURFACTANT - CAS #9003-11-6 UREA - CAS #57-13-6 PHOSPHORIC ACID - CAS #7664-38-2 NITRIC ACID - CAS #7697-37-2										