



MATERIAL SAFETY DATA SHEET

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I Chemical Product and Company Identification	Product Name SUMA SCALE D5.2 4X1CS		Emergency (800)831-9889	
	Product Code 57237280 UPC-A 774205555800 SCC 10774205555807		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 HYDROCHLORIC ACID 7647-01-0 PHOSPHoric ACID 7664-38-2	% 10 22	Exposure Limits 5 (CEILING) TWA 1 STEEL 3	Units PPM MGM/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. HMTS: 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 HYDROCHLORIC ACID, CAS #7647-01-0 IS 8,403.36GAL OR 9,999.99LBS. (RQ) PHOSPHORIC ACID CAS #7664-38-2 IS 1,937.98G											
	Environmental Precaution: OR 2,306.2 LBS. (ABOVE)											
VII Handling and Storage	Ventilation Required? NONE					Instructions NONE REQUIRED.						
	Safe Storage, Handling and Use Instructions KEEP CONTAINER CLOSED. IF FROZEN, THAW AND MIX TO MAKE USABLE. DO NOT PRESSURE CONTAINER TO EMPTY. KEEP AWAY FROM ALKALIS AND CHLORINATED PRODUCTS.											
	Incompatible 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 Chemiclal											
	Vapor Pressure N/A		MmHg@ NA		°C		Vapor Density(Air=1 N/A		pH 1.5		Water Solubility SOL %	
	Appearance & Odor DARK BROWN, ACID ODOR.											
	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 1.19					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; HYDROGEN CHLORIDE, CHLORINE AND CHLORINATED COMPOUNDS.												
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; HYDROGEN CHLORIDE, CHLORINE AND CHLORINATED COMPOUNDS.											
XIV Transport Information	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (PHOSPHORIC ACID, HYDROCHLORIC ACID), CLASS 8, UN3264, PG II, NAERG NO. 154											
XV-Regulatory Information												
XVI-Other Information												
S.A.R.A. Title III Section 313	NONE											
State Right to Know Information	PHOSPHORIC ACID -CAS #7664-38-2 NONIONIC SURFACTANT - CAS #9003-11-6 WATER - CAS #7732-18-5 HYDROCHLORIC ACID - CAS #7647-01-0											