



MATERIAL SAFETY DATA SHEET

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I Chemical Product and Company Identification	Product Name LAUNCH		Emergency (800)831-9889		
	Product Code 08607470 UPC-A 774205551024 SCC		Medical(Collect) (303)592-1024		
	Manufacturer JOHNSON DIVERSEY INC. 3630 E. KEMPER RD CINCINNATI, OH 45241-2046		Chemtree (800)424-9300		
			Date 04/30/2003		
	Chemical Family LIQUID LAUNDRY SOUR				
II Composition/ Information on Ingredients	Chemical Name of Hazardous Ingredient HYDROFLUOROSILICIC ACID (1309-45-1)		% <14	Exposure Limits TLV 2.5; PEL 2.5 (AS F)	Units MG/M3
III Hazards Identification	Signs and Symptoms of Exposure A C U T E C H R O N I C	CORROSIVE TO EYES AND SKIN. MAY BE FATAL IF SWALLOWED. BURNS OR IRRITATION MAY NOT BE IMMEDIATELY APPARENT. FLUORIDE POISONING CAN RESULT FROM LARGE DOSES; MAY AFFECT CNS AND KIDNEYS.			
		DECALCIFICATION OF BONES AND MOTTLING OF TEETH.			
		HMIS: Health 3 Flammability 0 Reactivity 0 Personal Protection D			
		Conditions Aggravated DERMATITIS, RESPIRATORY CONDITIONS.			
		Carcinogen Info NONE NTP IARC OSHA			
		Target Organs or System			
	Routes of Exposure: Inhalation ☐ Skin ☒ Ingestion ☒				
IV First Aid Measures	Inhalation	IF INHALED, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.			
	Eyes	FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES, GET MEDICAL ATTENTION.			
	Skin	FLUSH WITH FRESH WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHES AND SHOES.			
	Ingestion	GIVE WATER - DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE FLUIDS BY MOUTH TO AN UNCONSCIOUS PERSON.			
V Fire Fighting Measures	Fire Control Measures/ Equipment	WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND SCBA.			
	Flammable Property Info				
	Explosion Info	HEAT OR FIRE MAY RELEASE VAPORS OF HYDROFLUORIC ACID.			
	Extinguishing Media	WATER, CO2, DRY CHEMICAL, FOAM			
	Gases				

VI Accidental Measures	Spill and Leak Clean UP Procedures		NEUTRALIZE SPILL WITH SODA ASH OR LIME. COLLECT MATERIAL WITH CLEAN SHOVEL AND PLACE IN PROPER CONTAINER FOR DISPOSAL AS HAZARDOUS WASTE. FLUSH SPILL AREA WITH WATER.				
	Environmental Precaution:						
VII Handling and Storage	Ventilation Required? NO		Instructions NORMAL AIR DILUTION				
	Safe Storage, Handling and Use Instructions		KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION PROOF AREA. DO NOT STORE NEAR OXIDIZING MATERIALS OR CHLORINATED CLEANERS OR BLEACHES. SOLUTIONS OFPRODUCT WILL ETCH GLASS. USE ONLY IN STAINLESS STEEL MACHINES.				
	Imcompatible Materials						
VIII Exposure Controls/ Personal Protection	Protective Gloves		ACID RESISTANT, RUBBER OR PVC				
	Eye Protection		CHEMICAL GOGGLES/FACE SHIELD SIDE SHIELD SAFETY GLASSES				
	Respiratory Protection		USUALLY NOT REQUIRED UNLESS EXPOSURE LIMITS ARE EXCEEDED THEN NIOSH ACID RESPIRATOR.				
	Other Protective Clothing Equipment		WEAR APRON WHEN HANDLING AND CHEMICALLY IMPERVIOUS CLOTHING AND FOOTWEAR; SAFETY SHOWER/EYE WASH IN USE AREA.				
IX Physical and Chemical Properties	Characteristics o of Hazardous Chemical						
	Vapor Pressure 12.8		MmHg@ 20 °C		Vapor Density(Air=1) >1	pH	Water Solubility 100% %
	Appearance & Odor CLEAR COLORLESS LIQUID						
	Boiling Point 217 °F		Melting Point °F		Flammability Limits in Air By Volume: Upper N/A Lower N/A		
	Flash Point NONE °F		Auto Ignition N/A °F		Oxidizing Properties		
	Specific Gravity 1.10			Volatile by Volume 87 %			
	Evaporation Rate(n-Butyl Acetate=1) >1						
	X Stability and Reactivity	Peroxide, Pyrophoric, Unstable or Water Reactive MODERATE					
Reactivity and Hazardous Polymerization NONE KNOWN							
Possible Hazardous Reactions							
Conditions to Avoid							
Materials To Avoid		MOST COMMON METALS, STRONG BASES, AMINES, CARBONATES, METAL OXIDES.					
Hazardous Decomposition Products		ABOVE 200 DEGREES F MAY RELEASE TOXIC VAPORS OF HYDROFLUORIC ACID.					
XI Toxicological Information							
XII Ecological Information	Possible Effects and Environmental Fate						
	Degradability						
	Aquatic Toxicity						
XIII Disposal Consideration	Method of Disposal, Residues and Safe Handling		ADJUST PH BEFORE DISPOSAL OF SMALL AMOUNTS. USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER. EMPTY CONTAINER. TRIPLE RINSE WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE CONTAINER LABEL BEFORE SELLING OR DISPOSAL. CONSULT LOCA OR STATE REGULATIONS REGARDING HAZARDOUS WASTE DISPOSAL.				
	Disposal of Contaminated Material		ABOVE 200 DEGREES F MAY RELEASE TOXIC VAPORS OF HYDROFLUORIC ACID.				
XIV Transport Information	CORROSIVE LIQUID,ACIDIC,INORGANIC, N.O.S.,(FLUOROSILICIC 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	NONE ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.						
State Right to Know Information	HYDROFLUOROSILICIC ACID - CAS #1309-45-1 WATER - CAS #7732-18-5 ETHOXYLATED ALCOHOL - CAS #68213-23-0 BLUE DYE - CAS #72139-17-4 RED DYE - CAS #PROPRIETARY						