

MATERIAL SAFETY DATA SHEET

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	Product Name LIQUA SAFE				Emergency	(800)831-9889	
I Chemical Product	Product Code 02858040 UPC-A 774205551031 SCC				Medical(Collect)	Medical(Collect) (303)592-1024		
	Manufacturer JOHNSONDIVERSEY INC. 3630 E. KEMPER RD				Chemtree)424-9300	
and Company Indentification					Date	` ,		
	CINCINNATI, OH 45241-2046							
	Chemical Family	MACHINE DISHWASHING PRODUCT		1				
	Chemical Name of Hazardous Ingredient		% Exposur <20 NOT ES		e Limits		Units	
II	POTASSIUM METASILICATE (10006-28-7)				TABLISHED			
Composition/	SODIUM HYPOCHLORITE (7681-52-9)		<3	NOT ES	ESTABLISHED			
Information								
on Ingredients								
		NAUSEA/CORROSIVE TO SKIN AND EYES		<u>l</u>				
	Signs U NACSEA/CORROSIVE TO SKIN, EYES AND RESPIRATORY TRACT							
	and T E							
	Symptoms of H SAME AS ACUTE							
Ш	Exposure R _O							
77 1	N I C							
Hazards Identification	HMIS: Health 3 Flammability 0 Reactivity 0 Personal Protection D							
	Conditions Aggravated SENSITIVE SKIN, EYES, IMPAIRED PULMONARY FUNCTION.							
	Carcinogen Info NONE NTP IARC OSHA							
	Target Organs or System							
	Routes of Exposure: Inhalation Skin Ingestion Ingestion							
	Inhalation N/A IN NORMAL OPERATION.							
IV	Eyes FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES, GET MEDICAL ATTENTION.							
First Aid Measures	Skiii Theoli Williams, Wholi William William							
	REMOVE CONTAMINATED CLOTHES AND SHOES							
	Ingestion GIVE WATER. DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION							
	Fire Control WEAR PROTECTIVE GEAR AND SELF CONTAINED BREATHING APPARATUS IN							
V	Measures/ FIRE AREA. Equipment							
V	Flammable Property Info							
Fire Fighting Measures	Explosion Info NONE							
Titolagares								
	Extinguishing Media WATER, WATER FOG, DRY CHEMICAL							
	Gases							

VI Accidental Measures	Spill and Leak Clean UP Procedures FLUSH SMALL AMOUNTS TO DRAIN. COLLECT AND RETURN LARGE AMOUNTS TO CONTAINER. CERCLA RQ - SODIUM HYPOCHLORITE = 4,000 POUNDS OR 370 GALLONS							
	Environmental Precautions							
	Ventilation Required? YES Instructions NO							
VII Handling and Storage	Safe Storage, Handling and Use Instructions DO NOT PRESSURE CONTAINER TO EMPTY, IF FROZEN, THAW AND MIX TO MAKE USABLE. KEEP CONTAINER CLOSED.							
	Imcompatible Materials							
VIII Exposure Controls/ Personal Protection	Protective Gloves ALKALI RESISTANT							
	Eye Protection FACE SHIELD OR GOGGLES							
	Respiratory Protection WEAR NIOSH APPROVED RESPIRATOR IF TLV OR PEL EXPOSURE LIMITS ARE EXCEEDED.							
	Other Protective NONE Clothing Equipment							
IX Physical and Chemical	Characteristics o of Hazardous Chemcial							
	Vapor Pressure 17.5 MmHg@ 20 °C Vapor Density(Air=1) N/A pH Water Solubility 100 %							
	Appearance & Odor CLEAR, SLIGHTLY YELLOW LIQUID; CHLORINE ODOR Boiling Point 215 °F Melting Point °F Flammability Limits in Air By Volume: Upper NONE Lower NONE							
Properties	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 1.30 Volatile by Volume 70 %							
	Evaporation Rate(n-Butyl Acetate=1) >1							
X	Peroxide, Pyrophoric, Unstable or Water Reactive LOW							
	Reactivity and Hazardous Polymerization NONE Possible Hazardous Reactions							
Λ	Possible Hazardous Reactions Conditions to Avoid							
Stability and Reactivity	Materials MINERAL ACIDS RELEASE CHLORINE To Avoid							
	Hazardous CL2 Decomposition Products							
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 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, DISPOSE TO INDUSTRIAL OR SANITARY SEWER REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL CONTAINS PHOSPHATES ALL CHEMICAL COMPONENTS ARE ON TSCA INVENTORY.							
	Disposal of CL2 Contaminated Material							
XIV	CAUSTIC ALKALI LIQUIDS, N.O.S., (SODIUM HYPOCHLORITE, POTASSIUM METASILICATE), 8							
Transport Information	, UN1719, PG II, ERG NO. 60, NAERG NO. 154							
XV-Regulatory Information								
XVI-Other Information S.A.R.A.	NONE							
Title III Section 313								
State Right to Know Information	POTASSIUM META SILICATE - CAS #10006-28-7 WATER - CAS #7732-18-5 SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4 SODIUM HYPOCHLORITE - CAS #7681-52-9							