

## MATERIAL SAFETY DATA SHEET

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	Product Name EPOCH				Emergency (800)831-9889			
I Chemical Product	Product Code <b>09291040</b> UPC-A <b>774205552427</b> SCC			Medical(Collect)	Medical(Collect) (303)592-1024			
	Manufacturer JOHNSONDIVERSEY INC. 3630 E. KEMPER RD			Chemtree (800)424-9300				
and Company Indentification				Date 03/10/1999				
		CINCINNATI, OH 45241-2046						
	Chemical Family	ALKALINE LIQUID MACHINE DETER	1					
II Composition/ Information on Ingredients		Hazardous Ingredient  DROXIDE (1310-58-3)	% <b>20</b>	Exposur TLV C 2	e Limits 2; PEL C 2		Units MG/M3	
	A C	CORROSIVE TO SKIN AND EYES MISTS ARE CORROSIVE TO SKIN, EYES AND I	RESPIR.	ATORY T	RACT			
III Hazards	Signs U and T E Symptoms							
	of H SAME AS ACUTE Exposure R O N I C C							
Identification	HMIS: Health 3 Flammability 0 Reactivity 0 Personal Protection D							
	Conditions Aggravated SENSITIVE SKIN, EYES							
	Carcinogen Info NONE NTP IARC OSHA							
	Target Organs or System							
	Routes of Exposure: Inhalation 🛛 Skin 🗖 Ingestion 🗖							
	Inhalation IF INHALED, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.							
IV	Eyes FLUSH THOROUGHLY WITH FRESH WATER, FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.							
First Aid Measures	Skin FLUSH WITH FRESH WATER FOR 15 MINUTES, 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 Control WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND SCBA.  Measures/ Equipment							
	Flammable Property Info							
Fire Fighting Measures	Explosion Info NONE							
	Extinguishing Media CO2, FOAM, DRY CHEMICALS							
	Gases							

VI Accidental Measures	Spill and Leak Clean UP Procedures  FLUSH SMALL AMOUNTS TO DRAIN AFTER NEUTRALIZATION WITH LORING DRAIN AFTER NEUTRALIZATION WITH DILUTE ACIDS. COLLECT AND RETURN LARGE AMOUNTS TO CONTAINER. CERCLA RQ PRODUCT - POTASSIUM HYDROXIDE 5,000 POUNDS OR 555 GAL.							
	Environmental Precautions							
	Ventilation Required? YES Instructions NO							
VII  Handling and  Storage	Safe Storage, Handling and Use Instructions  DO NOT PRESSURE CONTAINER TO EMPTY. KEEP FROM FREEZING.  IF FROZEN, THAW AND MIX TO MAKE USABLE. KEEP AWAY FROM ACIDS.							
	Imcompatible Materials							
VIII  Exposure Controls/ Personal Protection	Protective Gloves ALKALI RESISTANT WHEN HANDLING							
	Eye Protection AS REQUIRED BY OSHA							
	Respiratory NONE Protection							
	Other Protective CLOTHING AND FOOTWEAR TO PREVENT SKIN CONTACT. Clothing Equipment							
IX Physical and Chemical	Characteristics o of Hazardous Chemcial							
	Vapor Pressure 18.4 MmHg@ 20 °C Vapor Density(Air=1) N/A pH 12.7 Water Solubility 100 %							
	Appearance & Odor OPAQUE WHITE LIQUID, MILD ODOR  Boiling Point 218 °F Melting Point °F Flammability Limits in Air By Volume: Upper NONE Lower NONE							
Properties	Flash Point NONE °F Auto Ignition N/A °F Oxidizing Properties							
	Specific Gravity 1.34 Volatile by Volume 75 %							
	Evaporation Rate(n-Butyl Acetate=1) <1							
	Peroxide, Pyrophoric, Unstable or Water Reactive NONE							
X	Reactivity and Hazardous Polymerization NONE  Possible Hazardous Reactions							
	Conditions to Avoid							
Stability and Reactivity	Materials FLAMMABLE LIQUIDS, ACTIVE METALS, ORGANIC HALOGEN COMPOUNDS, To Avoid STRONG ACIDS CAUSE VIOLENT REACTIONS.							
	Hazardous CO WITH INCOMPLETE Decomposition Products COMBUSTION.							
XI Toxicological Information								
XII Ecological Information	Possible Effects and Environmental Fate							
	Degradability							
	Aquatic Toxicity  Method of USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER							
XIII Disposal Consideration	Disposal, Residues and Safe Handling  TRIPLE RINSE WITH WATER, ADD TO OPERATION REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL CONTAINS PHOSPHATES CONSULT LOCAL OR STATE REGULATORS FOR HAZARDOUS WASTE DISPOSAL							
	Disposal of CO WITH INCOMPLETE COMBUSTION.							
XIV	CORROSIVE LIQUID,BASIC,INORGANIC,N.O.S.,(POTASSIUM HYDROXIDE),8,UN3266,PG II,							
Transport Information	ERG#60, NAERG#154							
XV-Regulatory Information								
S.A.R.A. Title III Section 313	ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.							
State Right to Know Information	POTASSIUM HYDROXIDE - CAS #1310-58-3 WATER - CAS #7732-18-5 SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4 SODIUM POLYACRYLATE - CAS #9003-04-7 POLYALKOXY GLYCOL - CAS #9003-11-6							