



## MATERIAL SAFETY DATA SHEET

JA 4030

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I Chemical Product and Company Identification	Product Name <b>LIQUID DIVERALK 1C</b>		Emergency <b>(800)831-9889</b>	
	Product Code <b>09974040</b> UPC-A <b>774205550362</b> SCC		Medical(Collect) <b>(303)592-1024</b>	
	Manufacturer <b>JOHNSONDIVERSEY INC. 3630 E. KEMPER RD CINCINNATI, OH 45241-2046</b>		Chemtree <b>(800)424-9300</b>	
			Date <b>09/03/2002</b>	
	Chemical Family <b>LIQUID LAUNDRY BUILDER</b>			
II Composition/ Information on Ingredients	Chemical Name of Hazardous Ingredient <b>SODIUM HYDROXIDE (1310-73-2)</b>	% <b>&lt;36</b>	Exposure Limits <b>TLV C 2; PEL C 2</b>	Units <b>MG/M3</b>
III Hazards Identification	Signs and Symptoms of Exposure	<b>CORROSIVE. CAUSES SEVERE BURNS TO SKIN AND EYES. MISTS ARE CORROSIVE TO SKIN, EYES AND RESPIRATORY TRACT MAY BE FATAL IF SWALLOWED.</b>  <b>NO KNOWN CHRONIC HAZARDS.</b>		
	HMIS: Health <b>3</b> Flammability <b>0</b> Reactivity <b>0</b> Personal Protection <b>D</b>			
	Conditions Aggravated	<b>SENSITIVE SKIN, EYES, IMPAIRED PULMONARY FUNCTION.</b>		
	Carcinogen Info <b>NONE</b>	<b>NTP</b>	<b>IARC</b>	<b>OSHA</b>
	Target Organs or System			
	Routes of Exposure: Inhalation <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/>			
IV First Aid Measures	Inhalation	<b>IF INHALED, REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GET MEDICAL ATTENTION.</b>		
	Eyes	<b>FLUSH THOROUGHLY WITH FRESH WATER, FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.</b>		
	Skin	<b>FLUSH WITH FRESH WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION FOR ANY INJURED SKIN AREA.</b>		
	Ingestion	<b>GIVE WATER, DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.</b>		
V Fire Fighting Measures	Fire Control Measures/ Equipment	<b>WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND SELF-CONTAINED BREATHING APPARATUS.</b>		
	Flammable Property Info			
	Explosion Info	<b>PRODUCT SOLUTIONS IN CONTACT WITH ALUMINUM CAUSES SEVERE CORROSION AND RELEASES HYDROGEN GAS.</b>		
	Extinguishing Media	<b>CO2, DRY CHEMICALS</b>		
	Gases			

<b>VI</b> Accidental Measures	Spill and Leak Clean Up Procedures <b>STOP LEAKS AND CONTAIN SPILLS. LIQUIDS SHOULD BE VACUUMED UP OR ABSORBED WITH CLAY OR SAND. PLACE WASTE IN AN APPROPRIATE COVERED CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE MINERAL ACIDS AND FLUSH AREA WITH WATER. CERCLA PRODUCT RQ = 4,000 LBS. OR 400 GAL.</b>
	Environmental Precaution:
<b>VII</b> Handling and Storage	Ventilation Required? <b>NO</b> Instructions <b>NORMAL AIR DILUTION</b> Safe Storage, Handling and Use Instructions <b>DO NOT PRESSURE CONTAINER TO EMPTY. IF FROZEN, THAW AND MIX TO MAKE USABLE. KEEP AWAY FROM ACIDS. STORE IN A COOL AREA AWAY FROM HEAT SOURCES. DO NOT STORE WITH FOOD.</b> Incompatible Materials
<b>VIII</b> Exposure Controls/ Personal Protection	Protective Gloves <b>RUBBER, PVC, OR CHEMICALLY RESISTANT</b> Eye Protection <b>SAFETY GLASSES WITH SIDE SHIELDS, SPLASH GOGGLES, FACESHIELD</b> Respiratory Protection <b>WEAR NIOSH APPROVED RESPIRATOR IF TLV/PEL LIMITS ARE EXCEEDED.</b> Other Protective Clothing Equipment <b>SAFETY SHOWER/EYE WASH. CHEMICALLY IMPERVIOUS CLOTHING AND FOOTWEAR WHEN HANDLING.</b>
<b>IX</b> Physical and Chemical Properties	Characteristics of Hazardous Chemical Vapor Pressure <b>17.5</b> MmHg@ <b>20</b> °C    Vapor Density(Air=1) <b>N/A</b> pH <b>13.5</b> Water Solubility <b>100</b> % Appearance & Odor <b>CLEAR AMBER LIQUID; SLIGHT AMMONIA ODOR</b> Boiling Point <b>234</b> °F    Melting Point °F    Flammability Limits in Air By Volume: Upper <b>NONE</b> Lower <b>NONE</b> Flash Point <b>NONE</b> °F    Auto Ignition <b>N/A</b> °F    Oxidizing Properties Specific Gravity <b>1.39</b> Volatile by Volume <b>50</b> % Evaporation Rate(n-Butyl Acetate=1) <b>&gt;1</b>
<b>X</b> Stability and Reactivity	Peroxide, Pyrophoric, Unstable or Water Reactive <b>MODERATE</b> Reactivity and Hazardous Polymerization <b>NONE</b> Possible Hazardous Reactions Conditions to Avoid Materials To Avoid <b>ACTIVE METALS, ORGANIC HALOGEN COMPOUNDS, STRONG ACIDS CAUSE VIOLENT REACTIONS.</b> Hazardous Decomposition Products <b>OXIDES OF CARBON</b>
<b>XI</b> Toxicological Information	
<b>XII</b> Ecological Information	Possible Effects and Environmental Fate Degradability Aquatic Toxicity
<b>XIII</b> Disposal Consideration	Method of Disposal, Residues and Safe Handling <b>USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, ADD TO OPERATION. ADJUST PH BEFORE DISPOSAL. RECYCLE CONTAINER OR DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. WASTE SOLUTIONS MAY BE TOXIC TO AQUATIC LIFE. DO NOT DISCHARGE TO LAKES, STREAMS, AND PONDS.</b> Disposal of Contaminated Material <b>OXIDES OF CARBON</b>
<b>XIV</b> Transport Information	<b>CORROSIVE LIQUID,BASIC,INORGANIC,N.O.S.,(SODIUM HYDROXIDE),8,UN3266,PG II, ERG#60, NAERG#154</b>
<b>XV</b> Regulatory Information	
<b>XVI</b> Other Information	
<b>SARA Title III Section 313</b>	<b>ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.</b>
State Right to Know Information	<b>SODIUM HYDROXIDE - CAS #1310-73-2          WATER - CAS #7732-18-5          SODIUM AMINOTRIMETHYLENE PHOSPHONATE - CAS #2235-43-0          SODIUM POLYACRYLATE - CAS #9003-04-7</b>