JohnsonDiversey

MATERIAL SAFETY DATA SHEET

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I Chemical Product and Company Indentification

Product Name	**LIQUID DIVERALK 1C**
Product Code	**09974100** UPC-A **774205550331** SCC
Manufacturer	**JOHNSONDIVERSEY INC.** **3630 E. KEMPER RD** **CINCINNATI, OH 45241-2046**
Chemical Family	**LIQUID LAUNDRY BUILDER**

Emergency	**(800)831-9889**
Medical(Collect)	**(303)592-1024**
Chemtree	**(800)424-9300**
Date	**08/29/2002**

II Composition/ Information on Ingredients

Chemical Name of Hazardous Ingredient	%	Exposure Limits	Units
SODIUM HYDROXIDE (1310-73-2)	**<36**	**TLV C 2; PEL C 2**	**MG/M3**

III Hazards Identification

Signs and Symptoms of Exposure

ACUTE: **CORROSIVE. CAUSES SEVERE BURNS TO SKIN AND EYES. MISTS ARE CORROSIVE TO SKIN, EYES AND RESPIRATORY TRACT MAY BE FATAL IF SWALLOWED.**

CHRONIC: **NO KNOWN CHRONIC HAZARDS.**

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 [x] Skin [x] Ingestion [x]

IV First Aid Measures

Inhalation **IF INHALED, REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GET MEDICAL ATTENTION.**

Eyes **FLUSH THOROUGHLY WITH FRESH WATER, FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.**

Skin **FLUSH WITH FRESH WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION FOR ANY INJURED SKIN AREA.**

Ingestion **GIVE WATER, DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.**

V Fire Fighting Measures

Fire Control Measures/ Equipment **WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND SELF-CONTAINED BREATHING APPARATUS.**

Flammable Property Info

Explosion Info **PRODUCT SOLUTIONS IN CONTACT WITH ALUMINUM CAUSES SEVERE CORROSION AND RELEASES HYDROGEN GAS.**

Extinguishing Media **CO2, DRY CHEMICALS**

Gases

VI Accidental Measures

Spill and Leak Clean UP Procedures: **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.**

Environmental Precautions

VII Handling and Storage

Ventilation Required? **NO** Instructions **NORMAL AIR DILUTION**

Safe Storage, Handling and Use Instructions: **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.**

Imcompatible Materials

VIII Exposure Controls/ Personal Protection

Protective Gloves: **RUBBER, PVC, OR CHEMICALLY RESISTANT**

Eye Protection: **SAFETY GLASSES WITH SIDE SHIELDS, SPLASH GOGGLES, FACESHIELD**

Respiratory Protection: **WEAR NIOSH APPROVED RESPIRATOR IF TLV/PEL LIMITS ARE EXCEEDED.**

Other Protective Clothing Equipment: **SAFETY SHOWER/EYE WASH. CHEMICALLY IMPERVIOUS CLOTHING AND FOOTWEAR WHEN HANDLING.**

IX Physical and Chemical Properties

Characteristics o of Hazardous Chemcial

Vapor Pressure **17.5** MmHg@ **20** °C	Vapor Density(Air=1) **N/A**	pH **13.5**	Water Solubility **100** %	
Appearance & Odor **CLEAR AMBER LIQUID; SLIGHT AMMONIA ODOR**				
Boiling Point **234** °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 **1.39**	Volatile by Volume **50** %			
Evaporation Rate(n-Butyl Acetate=1) **>1**				

X Stability and Reactivity

Peroxide, Pyrophoric, Unstable or Water Reactive **MODERATE**

Reactivity and Hazardous Polymerization **NONE**

Possible Hazardous Reactions

Conditions to Avoid

Materials To Avoid: **ACTIVE METALS, ORGANIC HALOGEN COMPOUNDS, STRONG ACIDS CAUSE VIOLENT REACTIONS.**

Hazardous Decomposition Products: **OXIDES OF CARBON**

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, 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.**

Disposal of Contaminated Material: **OXIDES OF CARBON**

XIV Transport Information

CORROSIVE LIQUID,BASIC,INORGANIC,N.O.S.,(SODIUM HYDROXIDE),8,UN3266,PG II, ERG#60, NAERG#154

XV-Regulatory Information

XVI-Other Information

S.A.R.A. Title III Section 313: **ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.**

State Right to Know Information:

SODIUM HYDROXIDE - CAS #1310-73-2
WATER - CAS #7732-18-5
SODIUM AMINOTRIMETHYLENE PHOSPHONATE - CAS #2235-43-0
SODIUM POLYACRYLATE - CAS #9003-04-7