



I - PRODUCT IDENTIFICATION AND USE		MSDS ID: 4724		
PRODUCT NAME: LIQUID BUILT DETERGENT 3RL1				
USE: Liquid Laundry Detergent				
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada	EMERGENCY PHONE: 1-800-668-7171			
WHMIS CLASSIFICATION: E	TRADE NAME / SYNONYMS: not applicable			
CHEMICAL FAMILY: Alkali/Surfactant	CHEMICAL NAME: not applicable			
II - HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Potassium hydroxide	10-30	001310-58-3	LDLo 273 mg/kg	oral/rat
Sodium silicate	3-7	001344-09-8	LD50 3300 mg/kg	oral/rat
Linear alcohol ethoxylate	10-30	068131-39-5	LD50 1800 mg/kg	oral/rat
Sodium xylene sulphonate	3-7	001300-72-7	LD50 650 mg/kg	oral/rat
III - HANDLING AND DISPOSAL PROCEDURES				
PERSONAL PROTECTIVE EQUIPMENT:				
Gloves: natural rubber, neoprene or nitrile	Eye: safety goggles	Footwear: not required		
Respiratory: If mists are generated, use NIOSH approved mask.	Other: not required			
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact.				
VENTILATION REQUIREMENTS: general ventilation				
INCOMPATIBILITY (Material to Avoid): acids				
SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Mop up or soak up with absorbent clay for disposal. Wash spill area with large volumes of water.				
WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.				
STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. UN3266				
IV - PHYSICAL PROPERTIES				
APPEARANCE / ODOUR: Blue, viscous, opaque liquid				
S.G. / BULK DENSITY(g/cc): 1.20 ± 0.01		pH: (1% solution) 13.5 ± 0.5		
VAPOUR PRESSURE (mmHg): not applicable		VAPOUR DENSITY (air=1): not applicable		
ODOUR THRESHOLD: not applicable		BOILING POINT: above 100°C		
FREEZING POINT: not available		PERCENT VOLATILE: 48%		
SOLUBILITY IN WATER: soluble		EVAPORATION RATE (water=1): 1		
V - TOXICOLOGICAL PROPERTIES				
EFFECTS OF ACUTE EXPOSURE TO MATERIAL:				
EYES: Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly.				
SKIN: Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly.				
INGESTION: Corrosive. May cause severe irritation of the digestive tract. May cause permanent damage if not treated promptly.				

INHALATION: Inhalation of spray or mist may cause respiratory irritation.	
LD50 (calculated): 1345 mg/kg	LC50 (calculated): not applicable
OTHER TOXIC EFFECTS: TLV-CL (potassium hydroxide) 2 mg/m3; TLV (sodium silicate) 5 mg/m3 manual	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: none known	
VI - FIRST AID MEASURES	
EYES:	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.
SKIN:	Flush affected area thoroughly with water. If irritation develops, contact a physician.
INGESTION:	Drink large volumes of water . Never give anything by mouth to an unconscious patient. Contact a physician immediately.
INHALATION:	Remove patient to fresh air. Get medical attention for any breathing difficulty.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: no	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: N/Ap.
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: not required	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, sulphur.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: not applicable	
INCOMPATIBILITY (Material to Avoid) : acids	
HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with acids.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS, ChemInfo, MSDS	PREPARED BY: JohnsonDiversev Canada. Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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