



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 4723

PRODUCT NAME: LIQUID BUILT DETERGENT 3LL1**USE:** Liquid Laundry Detergent**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** D2B E**CHEMICAL FAMILY:** surfactants**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Linear alcohol ethoxylate	7-13	068131-39-5	LD50 1000 mg/kg	oral/rat
Sodium nitrilotriacetate	5-10	005064-31-3	LD50 1100 mg/kg	oral/rat
Sodium dodecylbenzene sulphonate	5-10	025155-30-0	LD50 1260 mg/kg	oral/rat
Isopropanol	1-5	000067-63-0	LD50 5045 mg/kg	oral/rat
Potassium bromide	0.5 - 1.5	007758-02-3	LD50 3500 mg/kg	oral/rat
Sodium hydroxide	1-5	025155-30-0	LD50 1260 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** natural rubber, neoprene or nitrile**Eye:** safety goggles**Footwear:** not applicable**Respiratory:** If mists are generated, use NIOSH approved mask.**Other:** not applicable**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid skin and eye contact.**VENTILATION REQUIREMENTS:** general ventilation**INCOMPATIBILITY (Material to Avoid):** acids and strong oxidizers**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. Avoid freezing. UN3266

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Straw coloured, clear to slightly hazy liquid**S.G. / BULK DENSITY(g/cc):** 1.152 ± 0.005**pH:** (neat)13.1 ± 0.3**VAPOUR PRESSURE (mmHg):** not applicable**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** not applicable**BOILING POINT:** approx. 100°C**FREEZING POINT:** approx. 0°C**PERCENT VOLATILE:** approx. 40%**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** not available

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly.**SKIN:** Repeated or prolonged contact may result in irritation.

INGESTION: May cause severe irritation of the digestive tract.	
INHALATION: Inhalation of spray may cause severe respiratory irritation.	
LD50 (calculated): 3360 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: TLV-CL (sodium hydroxide) 2 mg/m3; TLV-TWA (ethylene oxide) 1.8 mg/kg; TLV-TWA (isopropanol) 400 ppm (520 mg/m3)	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: This product contains NTA. In laboratory tests, rats and mice continuously fed highly exaggerated doses of NTA showed evidence of urinary tract (bladder and kidney) toxicity, including cancer; lower doses showed none of these toxic effects. By ACGIH guidelines, NTA would not be considered an occupational (human) carcinogen of any practical significance.	
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. Do not induce vomiting. 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: >94°C	AUTO IGNITION TEMPERATURE, °C: N/Ap.
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: No special procedures.	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: High temperature	
INCOMPATIBILITY (Material to Avoid) : Acids, strong oxidizers	
HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with strong oxidizers or acids.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS	PREPARED BY: JohnsonDiversey Canada. Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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