



I - PRODUCT IDENTIFICATION AND USE				MSDS ID: 57444	
PRODUCT NAME: LIQUID BRIL TAK					
USE: Liquid caustic detergent					
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada			EMERGENCY PHONE: 1-800-668-7171		
WHMIS CLASSIFICATION: E CHEMICAL FAMILY: alkali			TRADE NAME / SYNONYMS: not applicable CHEMICAL NAME: not applicable		
II - HAZARDOUS INGREDIENTS					
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species	
Sodium hydroxide	30-60	001310-73-2	LDLo 500 mg/kg	oral/rab	
III - HANDLING AND DISPOSAL PROCEDURES					
PERSONAL PROTECTIVE EQUIPMENT: Gloves: Natural Rubber, Neoprene or Nitrile Eye: Safety goggles Footwear: As required Respiratory: If mists are generated, use NIOSH approved mask. Other: Rubber apron					
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact.					
VENTILATION REQUIREMENTS: Mechanical exhaust					
INCOMPATIBILITY (Material to Avoid): Acids, soft metals.					
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. UN1824					
IV - PHYSICAL PROPERTIES					
APPEARANCE / ODOUR: Slightly hazy, white liquid					
S.G. / BULK DENSITY(g/cc): 1.47			pH: (1% solution): 12.5 - 13.0		
VAPOUR PRESSURE (mmHg): not applicable			VAPOUR DENSITY (air=1): not applicable		
ODOUR THRESHOLD: not applicable			BOILING POINT: 144°C		
FREEZING POINT: 10°C			PERCENT VOLATILE: 50%		
SOLUBILITY IN WATER: soluble			EVAPORATION RATE (water=1): not applicable		
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. INGESTION: Corrosive. May cause severe irritation of the digestive tract. INHALATION: Breathing spray or mist may cause respiratory irritation.					
LD50 (calculated): 1,235 mg/kg			LC50 (calculated): Not available		
OTHER TOXIC EFFECTS: Sodium Hydroxide TLV-CEL: 2 mg/m3					

EFFECTS OF CHRONIC Not available
EXPOSURE TO MATERIAL:

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.

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: Wear self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and nitrogen.

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable [x] Unstable []

CONDITIONS TO AVOID: Do not store below 15°C

INCOMPATIBILITY (Material to Avoid) : Acids and other soft metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Contact with aluminum or soft metals generates flammable hydrogen gas. Heat released on contact with acids.

REACTIVITY: not applicable

IX - MSDS PREPARATION

SOURCES USED: RTECS

PREPARED BY: JohnsonDiversey Canada, Inc.
Regulatory Department
Food Division
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