



I - PRODUCT IDENTIFICATION AND USE				MSDS ID: 00269
PRODUCT NAME: LIQUID ALKALI 1NL1				
USE: Silicated alkaline laundry builder				
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada			EMERGENCY PHONE: 1-800-668-7171	
WHMIS CLASSIFICATION: D2B CHEMICAL FAMILY: alkali			TRADE NAME / SYNONYMS: not applicable CHEMICAL NAME: Silicic acid, sodium salt	
II - HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium silicate	30-60	001344-09-8	LD50 3300 mg/kg	oral/rat
III - HANDLING AND DISPOSAL PROCEDURES				
PERSONAL PROTECTIVE EQUIPMENT:				
Gloves: Natural rubber, neoprene or nitrile		Eye: Safety glasses		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.				
IV - PHYSICAL PROPERTIES				
APPEARANCE / ODOUR: Colourless to hazy liquid				
S.G. / BULK DENSITY(g/cc): 1.40		pH: (concentrate): 11.3		
VAPOUR PRESSURE (mmHg): not available		VAPOUR DENSITY (air=1): not available		
ODOUR THRESHOLD: not applicable		BOILING POINT: approx. 100°C		
FREEZING POINT: not available		PERCENT VOLATILE: 63°C		
SOLUBILITY IN WATER: soluble		EVAPORATION RATE (water=1): 1		
V - TOXICOLOGICAL PROPERTIES				
EFFECTS OF ACUTE EXPOSURE TO MATERIAL:				
EYES: May cause severe irritation.				
SKIN: May cause severe irritation.				
INGESTION: May cause irritation of the digestive tract.				
INHALATION: Inhalation of spray or mist may cause respiratory irritation.				
LD50 (calculated): 3300 mg/kg		LC50 (calculated): not applicable		

OTHER TOXIC EFFECTS: TLV-CL (sodium silicate) 5 mg/m3

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. Do not induce vomiting. Contact a physician.

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: Wear self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS: Not applicable.

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

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