



I - PRODUCT IDENTIFICATION AND USE				MSDS ID: 57251
PRODUCT NAME: SUMA SPECIAL L4				
USE: Mechanical warewashing 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: caustic alkali		TRADE NAME / SYNONYMS: not applicable CHEMICAL NAME: not applicable		
II - HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium hydroxide	5-10	001310-73-2	LDLo 500 mg/kg	oral/rab
Sodium nitrilotriacetate	10-30	005064-31-3	LD50 1450 mg/kg	oral/rat
III - HANDLING AND DISPOSAL PROCEDURES				
PERSONAL PROTECTIVE EQUIPMENT:				
Gloves: natural rubber, neoprene or nitrile		Eye: safety goggles		Footwear: as required
Respiratory: Not normally required.		Other: rubber apron as required		
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. If mists are generated, use NIOSH approved mask.				
VENTILATION REQUIREMENTS: General ventilation				
INCOMPATIBILITY (Material to Avoid): acids, aluminum, zinc				
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.				UN1824
IV - PHYSICAL PROPERTIES				
APPEARANCE / ODOUR: Clear, red liquid				
S.G. / BULK DENSITY(g/cc): 1.19		pH: 13.2 ± 0.5		
VAPOUR PRESSURE (mmHg): not available		VAPOUR DENSITY (air=1): not available		
ODOUR THRESHOLD: not applicable		BOILING POINT: approx. 100°C		
FREEZING POINT: approx. 0°C		PERCENT VOLATILE: 77%		
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: Corrosive. Inhalation of spray or mist may cause severe respiratory irritation.				
LD50 (calculated): LD50 3652 mg/kg		LC50 (calculated): not applicable		

OTHER TOXIC EFFECTS: TLV (Sodium hydroxide) CL 2 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: 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, nitrogen.

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable [x] Unstable []

CONDITIONS TO AVOID: not applicable

INCOMPATIBILITY (Material to Avoid) : acids, aluminum, zinc

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

REACTIVITY: not dangerously reactive

IX - MSDS PREPARATION

SOURCES USED: RTECS, ChemInfo

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PREPARATION DATE: March 10, 2006

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