



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 02137476

PRODUCT NAME: LIQUID SAF-T-SHINE**USE:** Alkaline Spray Cleaner**SUPPLIER:**

JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: 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
Potassium hydroxide	7-13	001310-58-3	LD50 273 mg/kg	oral/rat
Sodium silicate	7-13	001344-09-8	LD50 3300 mg/kg	oral/rat
Sodium tripolyphosphate	5-10	007758-29-4	LD50 4100 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** natural rubber or neoprene**Eye:** safety goggles**Footwear:** not required**Respiratory:** If mists are generated, use NIOSH approved mask**Other:** rubber apron face shield**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye and skin contact. Do not breathe mist or spray.**VENTILATION REQUIREMENTS:** general ventilation**INCOMPATIBILITY (Material to Avoid):** Acidic materials**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. . . UN1814

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear blue liquid**S.G. / BULK DENSITY(g/cc):** 1.27**pH:** (Concentrate): >13**VAPOUR PRESSURE (mmHg):** 17.5 @ 20°C**VAPOUR DENSITY (air=1):** not available**ODOUR THRESHOLD:** not available**BOILING POINT:** 160°C**FREEZING POINT:** not available**PERCENT VOLATILE:** 70%**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.**INHALATION:** Breathing mist or spray may cause respiratory irritation.

LD50 (calculated): 2222 mg/kg		LC50 (calculated): not available	
OTHER TOXIC EFFECTS: Potassium hydroxide STEL-CEL 2mg/m3; 5 mg/m3 manual (sodium silicate); 10 mg/m3 (sodium tripolyphosphate)			
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 immediately.		
INHALATION:	Remove patient to fresh air.		
VII - FIRE AND EXPLOSION DATA			
FLAMMABLE: No			
FLASH POINT, °C: not applicable		AUTO IGNITION TEMPERATURE, °C: N/App.	
EXTINGUISHING MEDIA: Water [X] Dry Chemical [X] Carbon Dioxide [X] Foam [X] Other []			
SPECIAL FIRE FIGHTING PROCEDURES: not required			
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) : Acidic materials			
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 Food Division Phone (905) 829-1200	
PREPARATION DATE: November 12, 2003			
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