



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 4731

PRODUCT NAME: LIQUID SOUR 6HL1

USE: Laundry Sour

SUPPLIER:

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: E

CHEMICAL FAMILY: Mineral Acid, Silicofluorides

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Hydrofluorosilicic acid	10-30	016961-83-4	LDLo 140 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: neoprene or nitrile

Eye: safety goggles

Footwear: rubber boots

Respiratory: If mists are generated, use NIOSH approved mask.

Other: not required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. If concentrations exceed TWA(2.5mg.m3 as F) NIOSH approved respirator is required. Do not wear contact lenses.

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): alkali, chlorinated materials and soft metals and glass.

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Wear protective equipment. Neutralize with calcium hydroxide. Mop up or soak up with absorbent clay for disposal.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. UN1778

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Dark blue liquid

S.G. / BULK DENSITY(g/cc): 1.127 ± 0.005

pH: 2.1 ± 0.5

VAPOUR PRESSURE (mmHg): 10

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not available

BOILING POINT: approx. 100°C

FREEZING POINT: approx. 0°C

PERCENT VOLATILE: approx. 86%

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: Harmful if swallowed. May be fatal.

INHALATION: Breathing mist or spray may cause severe respiratory irritation. May cause temporary or permanent damage if not treated promptly.

LD50 (calculated): LDLo 933 mg/kg

LC50 (calculated): not available

OTHER TOXIC EFFECTS: TWA 2.5 mg/m3 as F.	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Repeated or prolonged exposure may cause blood anemia and fluorosis.	
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:	Do not induce vomiting. Contact a physician immediately. If conscious give immediately, by mouth, large amounts of a fine suspension in water of a non-toxic calcium compound such as calcium lactate . If these are not readily available, give large amounts of water.
INHALATION:	Remove patient to fresh air. Contact a physician.
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: Use water spray to cool fire enposed containers. Use water spray to disperse fumes.	
HAZARDOUS COMBUSTION PRODUCTS: Decomposition above 105°C will produce toxic and corrosive hydrogen fluoride and silicon fluoride.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [X] Unstable []	
CONDITIONS TO AVOID: not applicable	
INCOMPATIBILITY (Material to Avoid) : Alkali, chlorinated materials, metals and glass.	
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with alkali will generate heat. Contact with soft metals forms flammable hydrogen gas. Contact with chlorinated materials generates chlorine gas.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS, Fluorosilicic Acid MSDS	PREPARED BY: JohnsonDiversey Canada. Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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