



I - PRODUCT IDENTIFICATION AND USE		MSDS ID: 4736		
PRODUCT NAME: LIQUID SOUR 6RL				
USE: Laundry Sour				
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada	EMERGENCY PHONE: 1-800-668-7171			
WHMIS CLASSIFICATION: E	TRADE NAME / SYNONYMS: not applicable			
CHEMICAL FAMILY: Mineral Acid, Silicofluorides	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	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, soft metals and glass.				
SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Use 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: Clear colourless pale yellow liquid				
S.G. / BULK DENSITY(g/cc): 1.20		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. 75%		
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: Toxic. Corrosive. May cause severe irritation of the digestive tract, intensive thirst, abdominal cramps, nausea, vomiting. May be fatal.				
INHALATION: Breathing vapour may cause severe respiratory irritation. May cause temporary or permanent damage if not treated promptly.				

LD50 (calculated): LD ₅₀ 560 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: TWA (Hydrofluorosilicic acid) 2.5 mg/m ³	
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. 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: Use water spray to cool fire exposed containers. Use water spray to disperse fumes.	
HAZARDOUS COMBUSTION PRODUCTS: Decomposition above 105°C will produce toxic and corrosive hydrogen fluoride and silicon tetrafluoride.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: not applicable	
INCOMPATIBILITY (Material to Avoid) : Alkali, chlorinated materials, soft metals and glass.	
HAZARDOUS DECOMPOSITION PRODUCTS: Heat on contact with alkali, explosive hydrogen gas on contact with metals, chlorine gas on contact with chlorinated materials.	
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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