



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 4732

PRODUCT NAME: LIQUID SOUR/SOFT 6SL1**USE:** Laundry Sour and Softener**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	1-5	016961-83-4	LDLo 140 mg/kg	oral/rat
Soya amido hydroxyethyl ammonium metho sulfate	2-7	068410-69-5	LD50 840 mg/kg	oral/rat
Dipropylene glycol methyl ether	1-5	034590-94-8	LD50 5660 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** neoprene or nitrile**Eye:** safety goggles**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. Do not wear contact lenses. If concentrations exceed TWA (2.5mg/m3 as F) NIOSH approved respirator required.**VENTILATION REQUIREMENTS:** general ventilation**INCOMPATIBILITY (Material to Avoid):** alkaline and chlorinated materials, soft metals, glass.**SPILL PROCEDURES:** Wear protective clothing. Contain the spill. Do not allow the spilled product to go to drain. 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. Avoid freezing. UN1778

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Milky blue liquid**S.G. / BULK DENSITY(g/cc):** 1.028 ± 0.005**pH:** 1.2 ± 0.5**VAPOUR PRESSURE (mmHg):** not applicable**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** not available**BOILING POINT:** approx. 100°C**FREEZING POINT:** approx. 0°C**PERCENT VOLATILE:** approx. 93%**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 headache, nausea, dizziness, vomiting and diarrhea.**INHALATION:** Breathing vapour may cause severe respiratory irritation.

LD50 (calculated): 3180 mg/kg		LC50 (calculated): not available	
OTHER TOXIC EFFECTS: TWA 2.5 mg/m3 as F; TLV-TWA (dipropylene glycol methyl ether) 100 ppm (606 mg/m3), STEL 150 ppm (909 mg/m3) skin			
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: > 95°C (Pensky-Martens)		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 vapours.			
HAZARDOUS COMBUSTION PRODUCTS: Decompositon above 105°C will produce toxic and corrosive hydrogen fluoride and silicon tetrafluoride. 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) : Alkali, soft metals, and chlorinated materials.			
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with chlorinated materials will release chlorine gas. Contact with alkali will release heat. Contact with soft metals forms flammable hydrogen 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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