



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 4735

PRODUCT NAME: LIQUID SOUR 6GL

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: Organic acid

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: Formic acid

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Formic acid	30-60	000064-18-6	LD50 1294 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: natural rubber, neoprene or PVC

Eye: safety glasses

Footwear: not required

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

Other: not applicable

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Do not breathe mist or spray. Avoid eye and skin contact.

VENTILATION REQUIREMENTS: Mechanical exhaust.

INCOMPATIBILITY (Material to Avoid): Strong alkalis, amines and chlorinated materials.

SPILL PROCEDURES: Neutralize with sodium bicarbonate, sodium carbonate or lime. Sweep or scoop up material 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. UN3265

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Light yellow liquid, mild odour.

S.G. / BULK DENSITY(g/cc): 1.08

pH: 1.2

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not applicable

BOILING POINT: approx. 100°C

FREEZING POINT: approx. 0°C

PERCENT VOLATILE: 60%

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.

INGESTION: Corrosive. May cause severe irritation of the digestive tract.

INHALATION: Breathing mist may cause respiratory irritation.

LD50 (calculated): 3560 mg/kg

LC50 (calculated): not available

OTHER TOXIC EFFECTS: Formic Acid TLV-TWA 5 ppm (9 mg/m3), STEL 10 ppm (18 mg/m3)	
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. 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:
EXTINGUISHING MEDIA: Water ☒ Dry Chemical ☒ Carbon Dioxide ☒ Foam ☒ Other ☐	
SPECIAL FIRE FIGHTING PROCEDURES: Closed containers may explode when exposed to extreme heat.	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable ☒ Unstable ☐	
CONDITIONS TO AVOID: not applicable	
INCOMPATIBILITY (Material to Avoid) : Strong alkaline products, chlorinated products.	
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal-oxides of carbon/contact with metals may form hydrogen.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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