

## I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 4741

PRODUCT NAME: LIQUID MILDEWICIDE 7XL

USE: Laundry Mildewcide

## SUPPLIER:

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

## EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: exempt

CHEMICAL FAMILY: Cationic surfactant

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

## II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Dialkyl dimethyl ammonium chloride	30-60	007173-51-5	LD50 84 mg/kg	oral/rat
Ethyl alcohol	7-13	000064-17-5	LD50 7060 mg/kg	oral/rat

## III - HANDLING AND DISPOSAL PROCEDURES

## PERSONAL PROTECTIVE EQUIPMENT:

Gloves: natural rubber, neoprene or nitrile      Eye: safety glasses      Footwear: not required

Respiratory: If mists are generated, use NIOSH approved mask.      Other: not required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and prolonged skin contact. Wash well after handling.

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): Oxidizing materials. Anionic surfactants.

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. 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. Avoid freezing. UN2920

## IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Colourless to pale yellow - alcohol odour

S.G. / BULK DENSITY(g/cc): 0.93

pH: 6.5 - 9.0

VAPOUR PRESSURE (mmHg): not applicable

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not applicable

BOILING POINT: approx. 100°C

FREEZING POINT: approx. -15°C

PERCENT VOLATILE: approx. 50%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): &gt;1

## V - TOXICOLOGICAL PROPERTIES

## EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly.

SKIN: Corrosive. May cause severe irritation.

INGESTION: May cause severe irritation of the digestive tract. Ingestion of concentrate may cause shock, nervous system depression and convulsions. May cause coma and death.

INHALATION: May cause irritation of respiratory tract. May cause temporary or permanent damage if not treated promptly.

<b>LD50 (calculated):</b> 1643 mg/kg	<b>LC50 (calculated):</b> not applicable
<b>OTHER TOXIC EFFECTS:</b> TLV-TWA (ethyl alcohol) 1000 ppm (1880 mg/m3)	
<b>EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:</b> none known	
<b>VI - FIRST AID MEASURES</b>	
<b>EYES:</b>	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.
<b>SKIN:</b>	Flush affected area thoroughly with water. If irritation develops, contact a physician.
<b>INGESTION:</b>	Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.
<b>INHALATION:</b>	Remove patient to fresh air. Get medical attention for any breathing difficulty.
<b>VII - FIRE AND EXPLOSION DATA</b>	
<b>FLAMMABLE:</b> Yes, combustible if heated.	
<b>FLASH POINT, °C:</b> 43°C (Pensky-Martens)	<b>AUTO IGNITION TEMPERATURE, °C:</b> N/Ap
<b>EXTINGUISHING MEDIA:</b> Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other [ ]	
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Treat as combustible liquid.	
<b>HAZARDOUS COMBUSTION PRODUCTS:</b> Oxides of carbon, nitrogen.	
<b>EXPLOSIVE SENSITIVITY TO:</b> not applicable	
<b>VIII - REACTIVITY DATA</b>	
<b>STABILITY:</b> Stable [x] Unstable [ ]	
<b>CONDITIONS TO AVOID:</b> high temperature	
<b>INCOMPATIBILITY (Material to Avoid) :</b> Strong oxidizers. Anionic surfactants cause inactivation.	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Heat released on contact with oxidizing materials.	
<b>REACTIVITY:</b> not dangerously reactive	
<b>IX - MSDS PREPARATION</b>	
<b>SOURCES USED:</b> RTECS, MSDS	<b>PREPARED BY:</b> JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200
<b>PREPARATION DATE:</b> April 15, 2003	
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