



## I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 0838

PRODUCT NAME: F-1L

USE: Hand Dishwashing Detergent

## SUPPLIER:

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

## EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D2B  
CHEMICAL FAMILY: SurfactantTRADE NAME / SYNONYMS: not applicable  
CHEMICAL NAME: not applicable

## II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium dodecylbenzene sulphonate	7-13	025155-30-0	LD50 438 mg/kg	oral/rat
Ammonium lauryl ether sulphate	1-5	032612-48-9	LD50 630 mg/kg	oral/rat

## III - HANDLING AND DISPOSAL PROCEDURES

## PERSONAL PROTECTIVE EQUIPMENT:

Gloves: not required

Eye: safety glasses

Footwear: not required

Respiratory: Not required

Other: not applicable

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: not applicable

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): Cationic materials and strongly alkaline materials. Strong oxidizers.

SPILL PROCEDURES: Mop up or soak up with absorbent clay 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.

## IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear, yellow, semi-viscous liquid.

S.G. / BULK DENSITY(g/cc): 1.03

pH: 6.0 - 7.5

VAPOUR PRESSURE (mmHg): not applicable

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not available

BOILING POINT: approx. 100°C

FREEZING POINT: not available

PERCENT VOLATILE: 80%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): not applicable

## V - TOXICOLOGICAL PROPERTIES

## EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause irritation.

SKIN: Repeated or prolonged contact may result in irritation.

INGESTION: May cause nausea and possible irritation of digestive tract.

INHALATION: No serious or irreversible effects expected.

LD50 (calculated): 3232 mg/kg

LC50 (calculated): not available

OTHER TOXIC EFFECTS: none known

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: not applicable

### VI - FIRST AID MEASURES

**EYES:** Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician.  
**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. Induce vomiting. Contact a physician.  
**INHALATION:** Remove patient to fresh air.

### 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:** not applicable

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, sulphur.

**EXPLOSIVE SENSITIVITY TO:** not applicable

### VIII - REACTIVITY DATA

**STABILITY:** Stable [X] Unstable [ ]

**CONDITIONS TO AVOID:** not applicable

**INCOMPATIBILITY (Material to Avoid) :** Cationic materials and strongly alkaline materials. Strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Ammonia may be released if concentrated product contacts strongly alkaline material. Contact with strong oxidizers may release heat.

**REACTIVITY:** not applicable

### IX - MSDS PREPARATION

**SOURCES USED:** RTECS

**PREPARED BY:** JohnsonDiversey Canada, Inc.  
Regulatory Department  
Food Division  
Phone (905) 829-1200

**PREPARATION DATE:** April 15, 2003

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