



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 01024

PRODUCT NAME: POWERZYME LIQUID 3BL1**USE:** Liquid enzymatic laundry detergent**SUPPLIER:**

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D2B
CHEMICAL FAMILY: surfactant

TRADE NAME / SYNONYMS: not applicable
CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Linear alcohol ethoxylate	7-13	068002-97-1	LD50 2750 mg/kg	oral/rat
Sodium lauryl ether sulphate	0.5-1.5	025446-80-4	LD50 1700 mg/kg	oral/rat
Propylene glycol	5-10	000057-55-6	LD50 20000 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** rubber, neoprene or nitrile**Eye:** safety glasses**Footwear:** not applicable

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

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact.**VENTILATION REQUIREMENTS:** general ventilation**INCOMPATIBILITY (Material to Avoid):** oxidizing materials

SPILL PROCEDURES: Contain the spill. Mop up or soak up with absorbent clay for disposal. Do not allow the spilled product to go to drain. 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.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Opaque blue liquid**S.G. / BULK DENSITY(g/cc):** 1.06**pH:** 7.3**VAPOUR PRESSURE (mmHg):** not available**VAPOUR DENSITY (air=1):** not available**ODOUR THRESHOLD:** not available**BOILING POINT:** approx. 100°C**FREEZING POINT:** not available**PERCENT VOLATILE:** approx. 60%**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** not available

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** May cause severe irritation.**SKIN:** May cause irritation.**INGESTION:** May cause severe irritation of the digestive tract.

INHALATION: Breathing mist or spray may cause respiratory irritation. Repeated or prolonged exposure may cause respiratory sensitization and allergic response in hypersensitive individuals.	
LD50 (calculated): 21392 mg/kg	LC50 (calculated): not applicable
OTHER TOXIC EFFECTS: none known	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:	Repeated or prolonged exposure may cause respiratory sensitization and allergic response in hypersensitive individuals.
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. Do not induce vomiting. 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: >93°C (Pensky-Martens)	AUTO IGNITION TEMPERATURE, °C: N/Av.
EXTINGUISHING MEDIA: Water [X] Dry Chemical [X] Carbon Dioxide [X] Foam [X] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, sulphur.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [X] Unstable []	
CONDITIONS TO AVOID: high temperature, sparks or open flame	
INCOMPATIBILITY (Material to Avoid) : oxidizing materials	
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, sulfur and hydrogen sulfide.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS, MSDS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
Information on this form is furnished in compliance with the Regulations respecting Controlled Products under the Hazardous Products Act and is not to be used for any other purpose, nor is it to be reproduced or published. JohnsonDiversey Canada assumes no responsibility for injury to any person or property resulting from any use of the material if reasonable safety procedures are not adhered to. In addition, JohnsonDiversey Canada assumes no responsibility for injury to any person or property resulting from any abnormal use or theft of the material, even if reasonable safety procedures are followed. Each user assumes the risk in his use of the material and should review the data and recommendations in the specific context of the intended use.	