



I - PRODUCT IDENTIFICATION AND USE				MSDS ID: 4513	
PRODUCT NAME: FLOW					
USE: Liquid Synthetic Concentrated Cleaner					
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	
No hazardous ingredients					
III - HANDLING AND DISPOSAL PROCEDURES					
PERSONAL PROTECTIVE EQUIPMENT: Gloves: not required 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 contact.					
VENTILATION REQUIREMENTS: general ventilation					
INCOMPATIBILITY (Material to Avoid): strong oxidizers					
SPILL PROCEDURES: Contain the spill. 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. Avoid freezing.					
IV - PHYSICAL PROPERTIES					
APPEARANCE / ODOUR: Clear, yellow viscous liquid					
S.G. / BULK DENSITY(g/cc): 1.010			pH: (concentrate): 9.5		
VAPOUR PRESSURE (mmHg): 17.5 @ 20°C			VAPOUR DENSITY (air=1): not available		
ODOUR THRESHOLD: not available			BOILING POINT: approx. 100°C		
FREEZING POINT: 0°C			PERCENT VOLATILE: 88%		
SOLUBILITY IN WATER: 100%			EVAPORATION RATE (water=1): approx. 1		
V - TOXICOLOGICAL PROPERTIES					
EFFECTS OF ACUTE EXPOSURE TO MATERIAL: EYES: May cause irritation. No serious or irreversible effects expected if treated promptly. SKIN: Repeated or prolonged contact may result in irritation. INGESTION: May cause irritation of the digestive tract. INHALATION: No serious or irreversible effects expected.					
LD50 (calculated): >50000 mg/kg			LC50 (calculated): not available		
OTHER TOXIC EFFECTS: none known					

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.

SKIN: Flush affected area thoroughly with water. If irritation persists, 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.

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 required

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen.

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable [x] Unstable []

CONDITIONS TO AVOID: keep from freezing

INCOMPATIBILITY (Material to Avoid) : strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: carbon monoxide with incomplete combustion

REACTIVITY: not dangerously reactive

IX - MSDS PREPARATION

SOURCES USED: RTECS, MSDS, ACGIH

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

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