



I - PRODUCT IDENTIFICATION AND USE				MSDS ID: 9800	
PRODUCT NAME: PGS SUMMER					
USE: Anti-freeze					
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada			EMERGENCY PHONE: 1-800-668-7171		
WHMIS CLASSIFICATION: D2B CHEMICAL FAMILY: Glycol			TRADE NAME / SYNONYMS: not applicable CHEMICAL NAME: Propylene Glycol		
II - HAZARDOUS INGREDIENTS					
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species	
Propylene glycol	15-40	000057-55-6	LD50 20000 mg/kg	oral/rat	
Polyglycoside	1-5	068515-73-1	LD50 5000 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 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. 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: Blue liquid, cherry odour					
S.G. / BULK DENSITY(g/cc): 1.0210-1.0240 @ 25°C			pH: 6.0 - 7.0		
VAPOUR PRESSURE (mmHg): not available			VAPOUR DENSITY (air=1): not available		
ODOUR THRESHOLD: not applicable			BOILING POINT: >100°C		
FREEZING POINT: <-5°C			PERCENT VOLATILE: approx. 60%		
SOLUBILITY IN WATER: soluble			EVAPORATION RATE (water=1): >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 INHALATION: No serious or irreversible effects expected.					
LD50 (calculated): 7,625 mg/kg			LC50 (calculated): not available		

OTHER TOXIC EFFECTS: TLV TWA 50 ppm AIHA WEEL (propylene glycol)	
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 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.
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: Wear self-contained breathing apparatus.	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: Not applicable	
INCOMPATIBILITY (Material to Avoid) : Strong oxidizers	
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide	
REACTIVITY: Not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Industrial Division Phone (905) 829-1200
PREPARATION DATE: April 22, 2003	
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