



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 57502

PRODUCT NAME: SECUREGEL

USE: Gel cleaner for chillers

SUPPLIER:

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: B2 D2B

CHEMICAL FAMILY: Cationic Surfactant

TRADE NAME / SYNONYMS:

CHEMICAL NAME:

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Ethanol	10-30	000064-17-5	LD50 7060 mg/kg	oral/rat
Biguanide polymer	1-5	027083-27-8	LD50 >2500 mg/kg	oral/rat
Linear alcohol ethoxylate	40-70	068131-39-5	LD50 1800 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Natural Rubber, Neoprene or Nitrile Eye: Safety goggles Footwear: Not required

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

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. Do not breathe mist or spray.

VENTILATION REQUIREMENTS: Mechanical exhaust

INCOMPATIBILITY (Material to Avoid): Strong oxidizing agents

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. 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. UN1993

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear, slightly viscous liquid, alcohol odour

S.G. / BULK DENSITY(g/cc): 0.97

pH: (concentrate): 7.2

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not available

BOILING POINT: 79°C

FREEZING POINT: <-15°C

PERCENT VOLATILE: 45%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): not available

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause irritation.

SKIN: May cause irritation.

INGESTION: May cause severe irritation of the digestive tract.

INHALATION: May cause severe irritation.

LD50 (calculated): 2925 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: TLV (Ethanol): TWA 1,000 ppm (~1,900 mg/m3)	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Not available	
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:	Do not induce vomiting. Drink large volumes of water . Never give anything by mouth to an unconscious patient. Contact a physician.
INHALATION:	Remove patient to fresh air.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: Yes, ignited by spark or open flame.	
FLASH POINT, °C: 29°C	AUTO IGNITION TEMPERATURE, °C: N/A
EXTINGUISHING MEDIA: Water [] Dry Chemical [] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Not available	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: Heat, flame, open spark, sources of ignition	
INCOMPATIBILITY (Material to Avoid) : Strong oxidizing agents	
HAZARDOUS DECOMPOSITION PRODUCTS: None known	
REACTIVITY: Not dangerously reactive	
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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