



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 09296470

PRODUCT NAME: CIRGUARD**USE:** Roll Release Agent**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** E**CHEMICAL FAMILY:** surfactant**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Hydroxyethylidene diphosphonic acid, potassium salt	1-5	067953-76-8	not available	
Potassium hydroxide	1-5	001310-58-3	LD50 365 mg/kg	oral/rat
Sodium molybdate	1-5	007631-95-0	LD50 520 mg/kg	ipr/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** neoprene or polyvinyl alcohol**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, spray or vapours.**VENTILATION REQUIREMENTS:** general ventilation**INCOMPATIBILITY (Material to Avoid):** Strong acids, oxidizers, soft metals**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:** Wash spill area with large volumes of water.**STORAGE / SHIPPING REQUIREMENT:** Store in a cool dry area in a closed container. Avoid freezing. UN1814

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Light yellow liquid**S.G. / BULK DENSITY(g/cc):** 1.05**pH:** (Conc.) 11.9 - 12.3**VAPOUR PRESSURE (mmHg):** not available**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** not applicable**BOILING POINT:** approx. 100°C**FREEZING POINT:** 1°C**PERCENT VOLATILE:** Approx 90%**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** 1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** May cause severe irritation. May cause temporary or permanent damage if not treated promptly.**SKIN:** May cause irritation.**INGESTION:** May cause headache, nausea, dizziness, vomiting and diarrhea.**INHALATION:** Breathing spray or mist may cause respiratory irritation.

LD50 (calculated): 365 mg/kg		LC50 (calculated):	
OTHER TOXIC EFFECTS: Potassium Hydroxide STEL-CEL 2 mg/m3;			
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 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: N/ap		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, sulphur, nitrogen.			
EXPLOSIVE SENSITIVITY TO: not applicable			
VIII - REACTIVITY DATA			
STABILITY: Stable [X] Unstable []			
CONDITIONS TO AVOID: high temperature, high humidity			
INCOMPATIBILITY (Material to Avoid) : Strong Acids, Oxidizers, Soft Metals			
HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with acids. Contact with soft metals releases hydrogen gas.			
REACTIVITY: not dangerously reactive			
IX - MSDS PREPARATION			
SOURCES USED: MSDS, RTECS		PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Food Division Phone (905) 829-1200	
PREPARATION DATE: November 14, 2003			
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