



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 0622

PRODUCT NAME: CIRGUARD 7**USE:** Liquide corrosion inhibitor and conditioning agent**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** B2 D2B**CHEMICAL FAMILY:** Corrosion Inhibitor**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** N/Ap

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Triethanolamine	10-30	000102-71-6	LD50 8680 mg/kg	oral/rat
Isopropanol	1-5	000067-63-0	LD50 5045 mg/kg	oral/rat
Sodium molybdate	1-5	007631-95-0	LD50 576 mg/kg	ipr/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 and skin contact.**VENTILATION REQUIREMENTS:** Mechanical exhaust**INCOMPATIBILITY (Material to Avoid):** Not applicable**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.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear to hazy straw-coloured liquid**S.G. / BULK DENSITY(g/cc):** 1.09**pH:** (concentrate): 8.5**VAPOUR PRESSURE (mmHg):** not applicable**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** not available**BOILING POINT:** approx. 100°C**FREEZING POINT:** not available**PERCENT VOLATILE:** 75%**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** not applicable

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** May cause severe irritation. May cause permanent damage if not treated promptly.**SKIN:** Repeated or prolonged contact may result in irritation.**INGESTION:** May cause severe irritation of the digestive tract.**INHALATION:** Breathing spray or mist may cause respiratory irritation.

LD50 (calculated): 12105 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: Sodium molybdate TLV - TWA : 5mg/m3; Isopropanol: 520 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:	Drink large volumes of water . Never give anything by mouth to an unconscious patient. Induce vomiting. Contact a physician immediately.
INHALATION:	Remove patient to fresh air.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: Yes, combustible if heated.	
FLASH POINT, °C: 48°C (TCC)	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, nitrogen.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: not applicable	
INCOMPATIBILITY (Material to Avoid) : not applicable	
HAZARDOUS DECOMPOSITION PRODUCTS: not available	
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 24, 2003	
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