

I - PRODUCT IDENTIFICATION AND USE		MSDS ID: 4304		
PRODUCT NAME: DEEP CRYSTAL				
USE: Algicide		PCP # 19173		
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada		EMERGENCY PHONE: 1-800-668-7171		
WHMIS CLASSIFICATION: exempt		TRADE NAME / SYNONYMS: not applicable		
CHEMICAL FAMILY: chlorinated alkali		CHEMICAL NAME: not applicable		
II - HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium dichloroisocyanurate	60-100	051580-86-0	LD50 620 mg/kg	oral/rat
III - HANDLING AND DISPOSAL PROCEDURES				
PERSONAL PROTECTIVE EQUIPMENT:				
Gloves: Natural Rubber or Neoprene		Eye: safety glasses		Footwear: not required
Respiratory: NIOSH approved dust mask		Other: not required		
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and prolonged skin contact. Avoid breathing dust.				
VENTILATION REQUIREMENTS: general ventilation				
INCOMPATIBILITY (Material to Avoid): Avoid contamination with water. Avoid flammable, combustible, acidic or organic materials				
SPILL PROCEDURES: Sweep or scoop up material 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: White, free flowing powder, chlorine odour				
S.G. / BULK DENSITY(g/cc): 1.19		pH: (1% Solution): 6.5 ± 0.5		
VAPOUR PRESSURE (mmHg): not applicable		VAPOUR DENSITY (air=1): not applicable		
ODOUR THRESHOLD: not available		BOILING POINT: not applicable		
FREEZING POINT: not applicable		PERCENT VOLATILE: not applicable		
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 dust may cause respiratory irritation.				
LD50 (calculated): 620 mg/kg oral/rat		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 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.

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: Chlorine gas, carbon monoxide, nitrogen trichloride, cyanogen chloride. 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) : Acids, reducing agents, amines and ammonia.

HAZARDOUS DECOMPOSITION PRODUCTS: Contact with acids generates heat and chlorine gas. Reducing agents can generate heat releasing chlorine. Contact with ammonia and nitrogen containing compounds can produce nitrogen gas and chloramines.

REACTIVITY: not dangerously reactive.

IX - MSDS PREPARATION

SOURCES USED: RTECS

PREPARED BY: JohnsonDiversey Canada, Inc.
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Industrial Division
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