

I - PRODUCT IDENTIFICATION AND USE				MSDS ID: 0018	
PRODUCT NAME: X-CELL 413					
USE: Biocide for Pulp & Paper		PCP # 23250			
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada			EMERGENCY PHONE: 1-800-668-7171		
WHMIS CLASSIFICATION: exempt CHEMICAL FAMILY: not applicable			TRADE NAME / SYNONYMS: not applicable CHEMICAL NAME: not applicable		
II - HAZARDOUS INGREDIENTS					
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species	
2,2 dibromo 3-nitrilopropionamide	10-30	010222-01-2	LD50 800 mg/kg	oral/rat	
III - HANDLING AND DISPOSAL PROCEDURES					
PERSONAL PROTECTIVE EQUIPMENT: Gloves: natural rubber 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 Alkali.					
SPILL PROCEDURES: Wear protective clothing. Contain the spill. Do not allow the spilled product to go to drain. Add large amounts of soda ash and place in drums for disposal.					
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 liquid					
S.G. / BULK DENSITY(g/cc): 1.24 - 1.26			pH: not available		
VAPOUR PRESSURE (mmHg): not available			VAPOUR DENSITY (air=1): not available		
ODOUR THRESHOLD: not available			BOILING POINT: Decomp >120°C		
FREEZING POINT: not available			PERCENT VOLATILE: not applicable		
SOLUBILITY IN WATER: soluble			EVAPORATION RATE (water=1): not available		
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. May cause temporary or permanent damage if not treated promptly. INGESTION: Harmful if swallowed. INHALATION: Breathing spray or mist may cause respiratory irritation.					
LD50 (calculated): 800 mg/kg			LC50 (calculated):		
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: Induce vomiting. Contact a physician immediately.

INHALATION: Remove patient to fresh air. Contact a physician.

VII - FIRE AND EXPLOSION DATA

FLAMMABLE: No

FLASH POINT, °C: not applicable

AUTO IGNITION TEMPERATURE, °C:

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: high temperature

INCOMPATIBILITY (Material to Avoid) : Strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Bromine, Cyanogen Bromide, Dibromoacetonitrile

REACTIVITY: not dangerously reactive.

IX - MSDS PREPARATION

SOURCES USED: Raw Materials MSDS

PREPARED BY: JohnsonDiversey Canada, Inc.
Regulatory Department
Industrial Division
Phone (905) 829-1200

PREPARATION DATE: April 15, 2003

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