

I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 2644

PRODUCT NAME: X-CELL 430

USE: Pulp and Paper Biocide

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: Bromide Plus Biocide

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium bromide	38-42	007647-15-6	4200 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: natural rubber

Eye: safety goggles

Footwear: impermeable boots

Respiratory: If mists are generated, use NIOSH approved mask

Other: rubber apron

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): high temperatures

SPILL PROCEDURES: Contain the spill. Mop up or soak up with absorbent clay for disposal. Sweep or scoop up material for disposal. Wear protective clothing.

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: colourless liquid

S.G. / BULK DENSITY(g/cc): 1.4

pH: 8.8

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not applicable

BOILING POINT: 112°C

FREEZING POINT: 0°C

PERCENT VOLATILE: 62%

SOLUBILITY IN WATER: 94.6%

EVAPORATION RATE (water=1): 1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause irritation.

SKIN: Repeated or prolonged contact may result in irritation.

INGESTION: May cause severe irritation of the digestive tract.

INHALATION: Repeated or prolonged contact may result in irritation.

LD50 (calculated): 4200 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. If irritations develops, contact a physician.
SKIN:	Flush affected area thoroughly with water. If irritation develops, contact a physician. Remove and wash contaminated clothing thoroughly.
INGESTION:	Drink large volumes of water . Never give anything by mouth to an unconscious patient. Contact a physician.
INHALATION:	Remove patient to fresh air. Get medical attention for any breathing difficulty.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: not applicable	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: not applic
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus. Do not breath fumes, contain run-off.	
HAZARDOUS COMBUSTION PRODUCTS: not applicable.	
EXPLOSIVE SENSITIVITY TO: Impact [] Static Discharge [] Heat [x] Other []	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: temperature above 800°C	
INCOMPATIBILITY (Material to Avoid) : acids, heavy metal salts, bromide trifluoride	
HAZARDOUS DECOMPOSITION PRODUCTS: thermal decomposition may release bromide gas, sodium oxide, hydrogen and bromide	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: ChemInfo	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Industrial Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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