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MATERIAL SAFETY DATA SHEET

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Revised 2/02/04  
Replaces 8/12/03  
Printed 2/03/04

X-CELL 430

MSDS ID: 04683

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I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: X-CELL 430  
PRODUCT DESCRIPTOR: SLIMICIDE FOR PULP AND PAPER MILLS  
MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145  
3630 E. KEMPER ROAD  
CINCINNATI, OH. 45241

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II. COMPOSITION/INFORMATION ON INGREDIENTS

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| INGREDIENT NAME(CAS NUMBER)   | %   | EXPOSURE LIMITS   | UNITS |
|-------------------------------|-----|-------------------|-------|
| SODIUM BROMIDE (7647-15-6)    | <42 | TWA 10, STEL NONE | MG/M3 |
| WATER (7732-18-5)             | 58  | NONE ESTABLISHED  |       |
| EPA REG. NUMBER #8655-49-3635 |     |                   |       |

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III. HAZARDS IDENTIFICATION

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ROUTES OF ENTRY: INHALATION: NO  
SKIN: YES  
INGESTION: YES  
SIGNS AND SYMPTOMS OF EXPOSURE:  
ACUTE: MAY IRRITATE EYES. PROLONGED EXPOSURE MAY CAUSE SKIN IRRITATION.  
CHRONIC: SAME AS ACUTE.  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:  
Sensitive skin

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IV. FIRST AID MEASURES

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EYES: IMMEDIATELY FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF EYES ARE INJURED OR IRRITATION PERSISTS.  
SKIN: IMMEDIATELY FLUSH WITH FRESH WATER. WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.  
INGESTION: GIVE SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED.

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V. FIRE FIGHTING MEASURES

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|                                    |       |                                                                              |           |
|------------------------------------|-------|------------------------------------------------------------------------------|-----------|
| FLASH POINT: NONE                  | DEG F | FLAME EXTENSION: N/A                                                         | IN.       |
| FLAMMABLE LIMITS IN AIR BY VOLUME: |       | LEL: NONE                                                                    | UEL: NONE |
| UNUSUAL FIRE OR EXPLOSION HAZARDS: |       | COMBUSTION GENERATES TOXIC GASES.                                            |           |
| EXTINGUISHING MEDIA:               |       | WATER SPRAY, CO2, DRY CHEMICAL                                               |           |
| FIRE FIGHTING INSTRUCTIONS:        |       | USE WATER SPRAY TO COOL CONTAINERS, MINIMIZE EXPOSURE. DO NOT BREATHE FUMES. |           |

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VI. ACCIDENTAL RELEASE MEASURES

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IF MATERIAL IS RELEASED OR SPILLED: FLUSH SMALL AMOUNTS TO SANITARY SEWER. COLLECT AND RETURN LARGE AMOUNTS TO CONTAINER, RINSE ARE WITH WATER. NOT A RCRA HAZARDOUS WASTE. CERCLA PRODUCT R.Q.: NO REPORTABLE QUANTITY ESTABLISHED.

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VII. HANDLING AND STORAGE

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HANDLING AND STORAGE PRECAUTIONS: KEEP FROM FREEZING. STORE BETWEEN 40-100 F. KEEP CONTAINER CLOSED. KEEP OUT OF THE REACH OF CHILDREN.

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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

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EYE/FACE PROTECTION: CHEMICAL SPLASH GOGGLES  
PROTECTIVE GLOVES: RUBBER, PVC, OR CHEMICAL RESISTANT  
RESPIRATORY PROTECTION: USUALLY NOT REQUIRED. MONITOR FOR EXPOSURE EXCEEDING TLV.  
OTHER PROTECTIVE CLOTHING/EQUIPMENT: WEAR APRON, PROTECTIVE CLOTHING AND FOOTWEAR. LAUNDRER CLOTHES BEFORE REUSE. SAFETY SHOWER/EYE WASH.  
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

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IX. PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT (F): 234 SPECIFIC GRAVITY: 1.4000  
VOLATILE BY VOLUME: 62 SOLUBILITY IN WATER: 100  
VAPOR PRESSURE (MMHG): ND AT 20 C  
APPEARANCE AND ODOR: CLEAR COLORLESS LIQUID WITH NO ODOR.

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X. STABILITY AND REACTIVITY

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CHEMICAL STABILITY: STABLE  
INCOMPATIBILITY WITH OTHER MATERIALS: ACIDS, HEAVY METAL SALTS, BROMINE TRIFLOURIDE.  
HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION GENERATES TOXIC GASES OF BROMINE GAS AND SODIUM OXIDE.  
HAZARDOUS POLYMERIZATION: NONE KNOWN

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XI. TOXICOLOGICAL INFORMATION

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NO DATA AVAILABLE

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XII. ECOLOGICAL INFORMATION

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NO DATA AVAILABLE

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XIII. DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE CONTAINER WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE CONTAINER LABEL BEFORE SELLING OR DISPOSAL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. CONTAINS NO PHOSPHORUS. PRODUCT IS A NON-HAZARDOUS WASTE UNDER RCRA.

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XIV. TRANSPORT INFORMATION

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HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING NAME:  
Please refer to the Bill of Lading/receiving documents for up to date shipping information.

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XV. REGULATORY INFORMATION

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U.S. FEDERAL REGULATIONS:  
CERCLA/EPCRA:SECTION 313 TOXIC CHEMICALS:  
PRODUCT NOT COVERED UNDER SARA TITLE III, PART 313.  
LISTED CARCINOGEN: NOT CARCINOGENIC  
NTP: NO IARC: NO OSHA: NO  
HMIS RATINGS: HEALTH: 1 FIRE: 0 REACTIVITY: 0  
PERSONAL PROTECTIVE EQUIPMENT: B  
STATE RIGHT-TO-KNOW INFORMATION:  
SODIUM BROMIDE CAS# 7647-15-6  
WATER CAS# 7732-18-5

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XVI. OTHER INFORMATION

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THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED OTHER THAN AS RECOMMENDED BY DIVERSEY LEVER OR IN COMBINATION WITH OTHER MATERIALS. IT IS THE USER'S RESPONSIBILITY TO EVALUATE THE APPLICABILITY OF THIS INFORMATION FOR HIS PARTICULAR CONDITIONS OF STORAGE, HANDLING AND USE.