

MATERIAL SAFETY DATA SHEET

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

X-CELL 413

MSDS ID: 04680

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: X-CELL 413
PRODUCT DESCRIPTOR: PAPERMILL BIOCIDES
MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

II. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME(CAS NUMBER)	%	EXPOSURE LIMITS	UNITS
EPA REGISTERED PRODUCT NUMBER		464-42-875	
2,2-DIBROMO-3-NITRILOPROPIONAMIDE (10222-01-2)	20	TLV 2, STEL 10	MG/M3
SODIUM BROMIDE (7647-15-6)	1	TLV 10, PEL NOT ESTABLISHED	MG/M3
DIBROMOACETONITRILE (3252-43-5)	1	TLV 0.1, PEL NOT ESTABLISHED	MG/M3
EPA REG. PRODUCT #464-426-3635			

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: NO
SKIN: NO
INGESTION: YES

SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: SEVERE EYE IRRITANT CAUSING PAIN, REDNESS OR CORNEAL INJURY INCLUDING BLINDNESS. MAY CAUSE SKIN IRRITATION. HARMFUL IF SWALLOWED CAUSING GASTRIC INJURY.
CHRONIC: SAME AS ACUTE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
SENSITIVE SKIN, DUST OR MIST MAY AGGRAVATE RESPIRATORY DISEASE.

IV. FIRST AID MEASURES

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 2 GLASSES OF WATER, INDUCE VOMITING BY STICKING FINGER DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: N/A IN NORMAL OPERATIONS

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V. FIRE FIGHTING MEASURES

FLASH POINT: 200 DEG F FLAME EXTENSION: N/A IN.
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: NONE UEL: NONE
UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE KNOWN
EXTINGUISHING MEDIA: WATER FOG, ALCOHOL FOAM, DRY CHEMICALS
FIRE FIGHTING INSTRUCTIONS: WEAR FULL PROTECTIVE GEAR AND
SELF-CONTAINED BREATHING APPARATUS (SCBA)
IN FIRE AREA.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: COLLECT IN HOLDING TAN AND INACTIVATE WITH
SODA ASH OR LIME, MAINTAIN PH AT 8.1 OR GREATER FOR 18 HOURS BEFORE DISPOSAL.
CERCLA PRODUCT RQ: NO REPORTABLE QUANTITY MATERIALS

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: PREVENT EYE CONTACT. AVOID ALL SKIN CONTACT.
AVOID BREATHING MISTS AND VAPORS FROM HEAD SPACE OF NEWLY OPENED CONTAINERS.
AVOID DILUTION WITH WATER AND STORE AT TEMPS <95F, 35C. KEEP CONTAINER CLOSED
WHEN NOT IN USE. DO NOT PRESSURE CONTAINER EMPTY.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: CHEMICAL GOGGLES
PROTECTIVE GLOVES: RUBBER OR CHEMICAL RESISTANT
RESPIRATORY PROTECTION: USE ORGANIC CARTRIDGE RESPIRATORY IN MIST/SPRAY AREAS.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: CLOTHING AND FOOTWEAR TO PREVENT SKIN
CONTACT. EYE WASH IN AREA.
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 220 SPECIFIC GRAVITY: 1.2500
VOLATILE BY VOLUME: <5% SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): <0.1 AT 20 C
APPEARANCE AND ODOR: GREENISH-BROWN LIQUID WITH A SHARP ODOR.

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: 194 F
INCOMPATIBILITY WITH OTHER MATERIALS: FOR STORAGE STABILITY AVOID WATER,
STRONG ALKALI
HAZARDOUS DECOMPOSITION PRODUCTS: DECOMPOSED ABOVE 194 F FORMING TOXIC
BROMINE, CYOGEN BROMIDE AND
DIBROMACETONITRILE.
HAZARDOUS POLYMERIZATION: NONE KNOWN

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XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: DILUTE USE SOLUTION HYDROLYZE IN ALKALINE AQUEOUS SYSTEMS. USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL.

XIV. TRANSPORT INFORMATION

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

XV. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA/EPCRA:SECTION 313 TOXIC CHEMICALS:

2,2-DIBROMO-3-NITRILOPROPIONAMIDE (10222-01-2) AT 20%. SARA 311/312 -
PRODUCT IS AN IMMEDIATE EYE/SKIN IRRITANT. ALL CHEMICAL COMPONENTS ARE
LISTED ON THE RCRA CHEMICAL INVENTORY.

LISTED CARCINOGEN: NOT CARCINOGENIC

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 3 FIRE: 1 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: D

STATE RIGHT-TO-KNOW INFORMATION:

POLYETHYLENE GLYCOL CAS# 25322-68-3

WATER CAS# 7732-18-5

DIBROMO NITRILO PROPONAMIDE CAS# 10222-01-2

SODIUM BROMIDE CAS# 7647-15-6

DIBROMOACETONITRILE CAS# 3252-43-5

XVI. OTHER INFORMATION

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.