
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
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B.I.O. BLAST 420**MSDS ID: 00725**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: B.I.O. BLAST 420
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
ALKYL DIMETHYL BENZYLAMMONIUM CHLORIDE (68391-01-5)	<10	NONE ESTABLISHED	
DIALKY METHYLBEZYL AMMONIUM CHLORIDE (73049-75-9)	<2	NONE ESTABLISHED	
ISOPROPANOL (67-63-0)	<3	TLV 400; PEL 400	PPM
EPA REGISTERED PRODUCT #3635-278			

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: YES
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: CORROSIVE TO EYES; IRRITATES SKIN. MAY BE FATAL IF SWALLOWED.
CHRONIC: SAME AS ACUTE.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
SENSITIVE SKIN.

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES, GET MEDICAL ATTENTION.
SKIN: FLUSH WITH FRESH WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.
INGESTION: FLUSH WITH FRESH WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. IF SWALLOWED, DRINK A LARGE QUANTITY OF WATER OR MILK. CALL A PHYSICIAN IMMEDIATELY.
INHALATION: REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION.

V. FIRE FIGHTING MEASURES

FLASH POINT: 120 DEG F	FLAME EXTENSION: N/A IN.
FLAMMABLE LIMITS IN AIR BY VOLUME:	LEL: N/A UEL: N/A
UNUSUAL FIRE OR EXPLOSION HAZARDS:	EXPLOSIVE MIXTURES CAN FORM WITH AIR. COMBUSTION PRODUCTS ARE TOXIC.
EXTINGUISHING MEDIA:	DRY CHEMICAL, WATER FOG, CO2, FOAM
FIRE FIGHTING INSTRUCTIONS:	COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY, MUST WEAR NIOSH APPROVED

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V. FIRE FIGHTING MEASURES (Cont.)

SELF-CONTAINED BREATHING APPARATUS.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: SMALL SPILL MAY BE MOPPED UP OR FLUSHED AWAY WITH WATER OR ABSORBED ON SOME ABSORBENT MATERIAL AND INCINERATED. COLLECT LARGE SPILLS INTO CONTAINERS AND DISPOSE BY APPROVED METHODS.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: KEEP FROM FREEZING. STORE IN ORIGINAL CONTAINER, AND PLACE IN LOCKED STORAGE AREA. KEEP OUT OF THE REACH OF CHILDREN.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: SPLASH PROOF SAFETY GOGGLES
PROTECTIVE GLOVES: RUBBER OR NEOPRENE
RESPIRATORY PROTECTION: FOR MIST OR VAPOR CONCENTRATION ABOVE TLV LIMIT WEAR NIOSH APPROVED RESPIRATOR.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: APRON, EYEWASH FACILITY, EMERGENCY SHOWER, FACESHIELD.
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): ND SPECIFIC GRAVITY: 1.0000
VOLATILE BY VOLUME: 90% SOLUBILITY IN WATER: 100%
VAPOR PRESSURE (MMHG): 17.5 AT 20 C
APPEARANCE AND ODOR: CLEAR LIQUID, BENZALDEHYDE ODOR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: STRONG OXIDIZERS OR REDUCING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS: TOXIC HYDROGEN CHLORIDE FUMES, OXIDES OF CARBON AND NITROGEN.
HAZARDOUS POLYMERIZATION: NONE KNOWN

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

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XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: PESTICIDE WASTES ARE ACUTELY HAZARDOUS. IF THESE WASTES CANNOT BE DISPOSED OF BY THE USE ACCORDING TO LABEL INSTRUCTIONS, CONTACT YOUR STATE PESTICIDE OR ENVIRONMENTAL CONTROL AGENCY; OR THE HAZARDOUS WASTE REPRESENTATIVE AT THE EPA REGIONAL OFFICE FOR GUIDANCE.

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:

N/A

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

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

PERSONAL PROTECTIVE EQUIPMENT: D

STATE RIGHT-TO-KNOW INFORMATION:

WATER - CAS #7732-18-5

ISOPROPANOL - CAS #67-63-0

DIALKYL METHYLBENZYL AMMOUNIUM CHLORIDE-CAS #73049-75-9

ALKYL DIMETHYL BENZYLAMMONIUM CLHORIDE - CAS #68391-01-5

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.