
MATERIAL SAFETY DATA SHEET

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

B.I.O. BLAST 620**MSDS ID: 3101309**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: B.I.O. BLAST 620

Product Descriptor: BIOCID

MANUFACTURER: JOHNSON DIVERSEY, INC.
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241EMERGENCY PHONE NUMBER: (800) 851-7145

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
2-NITROPROPANE-1,3-DIOL	52-51-7	5 - 15%	None established	

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Corrosive. Causes irreversible damage to eyes and skin irritation. Harmful if swallowed, absorbed through the skin, or inhaled. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

POSSIBLE ROUTES OF ENTRY: Eye contact. Skin contact. Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Corrosive. May cause permanent damage including blindness.
SKIN: Corrosive. May cause permanent damage. INGESTION:
Corrosive. May cause burns to mouth, throat and stomach.
INHALATION: May cause irritation and corrosive effects to nose, throat and respiratory tract.

CHRONIC: May cause irritant or allergic dermatitis in a sensitive individual.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis or emphysema, etc., may be more susceptible to irritating effects.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin, respiratory tract, and gastrointestinal tract.

IV. FIRST AID MEASURES

EYES: Hold eyes open and rinse slowly and gently with water for at least 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor.

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INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. Call a poison control center or doctor for further treatment.-

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): NONE **FLAME EXTENSION:** N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/E UEL: N/E
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.
EXTINGUISHING MEDIA: Water spray, CO2, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.
SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. 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 nearest EPA Regional Office of Guidance.
This product does not contain a reportable quantity (RQ) under CERCLA.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Avoid contact with eyes, skin and clothing. Do not taste or swallow. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. **FOR COMMERCIAL & INDUSTRIAL USE ONLY.** Keep container tightly closed. Protect from freezing. Store in a dry, cool and well-ventilated area. **KEEP OUT OF REACH OF CHILDREN.** Do not contaminate water, food, or feed. Keep away from heat.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Chemical splash goggles.
PROTECTIVE GLOVES: Chemical resistant gloves. Includes: Neoprene gloves.
RESPIRATORY PROTECTION: If mists/vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over exposure. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: If major exposure is possible, wear suitable protective clothing and footwear.
ENGINEERING CONTROLS:

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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION (Cont.)

VENTILATION: Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear to pale yellow liquid, astringent odor.

BOILING POINT (DEG F): >200	FREEZING POINT: 32 F
SPECIFIC GRAVITY/BULK DENSITY: 1.06	
pH: 4.5	pH 1% SOLUTION: N/D
VOLATILE BY VOLUME: 90	
SOLUBILITY IN WATER: Soluble	
VAPOR PRESSURE(mmHg): 17.5 at 20 C	VAPOR DENSITY: 17.3

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.
INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing agents; Alkalies; Amines
HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of nitrogen; hydrogen bromide and/or bromine; oxides of carbon
HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: Available toxicology test data for the product as listed below.

TOXICITY TEST DATA:

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Acute Oral LD50	(rat)	540 mg/kg
Acute Dermal LD50	(rat)	>2000 mg/kg

XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA:

No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.

PESTICIDE WASTES ARE TOXIC. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for Guidance. DO NOT contaminate water, food or feed by storage or disposal or cleaning of equipment. Dispose of unused, uncontaminated product in compliance with local, state and federal regulations.

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XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: NONE

VOC CONTENT (EPA Method 24A): % VOC: 10 Lb/Gal VOC: 0.88

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

NONE

SARA Section 311/312:

ACUTE: YES CHRONIC: NO FIRE: NO REACTIVITY: NO

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: None

NTP: NO IARC: NO OSHA: NO

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

PERSONAL PROTECTIVE EQUIPMENT: D

NFPA RATING: HEALTH: 3 FIRE: 0 REACTIVITY: 0 SPECIAL: CORROSIVE

STATE RIGHT-TO-KNOW INFORMATION:

EPA REGISTERED PRODUCT. EXEMPT FROM RIGHT TO KNOW DECLARATIONS.

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.