

# MATERIAL SAFETY DATA SHEET



## B.I.O. BLAST 100S

HMIS		NFPA	Personal protective equipment	
Health	2	2		
Fire Hazard	1	1		
Reactivity	0	0		

Version Number: 1

Preparation date: 2005-11-29

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** B.I.O. BLAST 100S  
**MSDS #:** MS0100403  
**Product code:** 11343803, 13191851  
**Recommended use:** Biocide and preservative.

**Manufacturer, importer, supplier:**  
 US Headquarters: Canadian Headquarters  
 JohnsonDiversey, Inc. JohnsonDiversey - Canada, Inc.  
 8310 16th St. 2401 Bristol Circle  
 Sturtevant, Wisconsin 53177-0902 Oakville, Ontario L6H 6P1  
 Phone: 1-888-352-2249 Phone: 1-800-668-7171  
 MSDS Internet Address:  
 www.johnsondiversev.com

**Emergency telephone number:** 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

WARNING. CAUSES EYE AND SKIN IRRITATION. HARMFUL OR FATAL IF SWALLOWED. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. HARMFUL IF INHALED .

**Principle routes of exposure:** Skin. Eyes. Inhalation.  
**Eye contact:** Moderately irritating to the eyes.  
**Skin contact:** Causes skin irritation . Skin contact may cause allergic reactions in some individuals .  
**Inhalation:** May be irritating to nose, throat, and respiratory tract.  
**Ingestion:** May be fatal if swallowed . Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however swallowing larger amounts may cause serious injury, even death . May be irritating to mouth, throat and stomach.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dazomet	533-74-4	90 - 100%	320 mg/kg (rat)	7 g/kg (rabbit)	8.4 g/m <sup>3</sup> (rat)

### 4. FIRST AID MEASURES

**Eye contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Get medical attention immediately.  
**Skin contact:** Flush immediately with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.  
**Inhalation:** If breathing is affected, remove to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible.  
**Ingestion:** Call medical attendant, doctor, or poison control center immediately. 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 . Never give anything by mouth to an unconscious person.  
**Notes to physician:** Treat symptomatically.  
**Aggravated Medical Conditions:** Persons with pre-existing skin disorders may be more susceptible to irritating effects

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Dry chemical, water spray, foam .  
**Specific hazards:** Not applicable  
**Unusual hazards:** May form explosive dust-air mixture. Flammable dust/air mixtures can form at 30 g/m<sup>3</sup> air.

**Specific methods:** No special methods required

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Extinguishing media which must not be used for safety reasons:** carbon dioxide .

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.). Remove all sources of ignition. Ensure adequate ventilation.

**Environmental precautions and clean-up methods:** Water runoff can cause environmental damage. Material is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with an NPDES permit . Using clean equipment, sweep and scoop all spilled material, contaminated soil, and other spilled material and place into clean, dry, plastic containers for disposal . Keep dry; wet material may release methyl isothiocyanate . Do not attempt to clean up with water .

## 7. HANDLING AND STORAGE

FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering measures to reduce exposure:

In processes where dusts or airborne particulates may be generated, proper ventilation must be provided in accordance with good ventilation practices .

### Personal Protective Equipment

**Eye protection:** Goggles.

**Hand protection:** Chemical resistant gloves Includes rubber gloves

**Skin and body protection:** If major exposure is possible, wear suitable protective clothing and footwear.

**Respiratory protection:** In processes where dusts or airborne particulates may be generated, a NIOSH/MSA jointly approved respirator is advised . 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.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Powder	<b>Bulk density:</b>	No information available
<b>pH:</b>	No information available	<b>Dilution pH:</b>	No information available.
<b>Appearance:</b>	Powder	<b>Vapor density:</b>	No information available
<b>Color:</b>	White	<b>Evaporation rate:</b>	No information available
<b>Odor:</b>	No information available	<b>Boiling point/range:</b>	Not determined
<b>Specific gravity:</b>	0.75 g/cc	<b>Melting point/range:</b>	Not determined
<b>Density:</b>	No information available.	<b>Decomposition temperature:</b>	Not determined
<b>VOC:</b>	No information available	<b>Autoignition temperature:</b>	No information available
<b>Flash point:</b>	Not applicable	<b>Viscosity:</b>	No information available
<b>Solubility:</b>	Slightly soluble	<b>Partition coefficient (n-octanol/water):</b>	No information available
		<b>Solubility in other solvents:</b>	No information available

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at normal conditions.

**Polymerization:** Hazardous polymerisation does not occur.

**Hazardous decomposition products:** Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons . Carbon disulfide and hydrogen sulfide may form .

**Conditions to avoid:** Keep away from heat.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** Oral LD50 estimated to be between 500 - 2000 mg/kg

**Component Information:** See Section 3

**Chronic toxicity:** Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons..

### Specific effects

**Carcinogenic effects:** None known

**Mutagenic effects:** None known

**Reproductive toxicity:** None known

**Target organ effects:** None known

## 12. ECOLOGICAL INFORMATION

**Environmental Information:** When used for its intended purpose this product should not cause adverse effects in the environment

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**  
Dispose of according to all federal, state and local applicable regulations

## 14. TRANSPORT INFORMATION

**DOT/TDG:** Please refer to the Bill of Lading/receiving documents for up to date shipping information

## 15. REGULATORY INFORMATION

### **International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (ECL), Japan (ENCS), Philippines (PICCS), China (IECSC).

### **U.S. Regulations**

**EPA Reg. No. :** 9386-13-3635

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65

### **STATE RIGHT TO KNOW**

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Dazomet	533-74-4	-	Listed	-	-	-	Listed

### **CERCLA / SARA**

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Dazomet	533-74-4	100			Listed.

### **Canada**

**WHMIS hazard class:** Non-controlled.

**PCP No. :** 27830

## 16. OTHER INFORMATION

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** None

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