

## **BBJ Mold Control** for HVAC Systems and Air Ducts

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# PRODUCT AND COMPANY IDENTIFICATIO

Product Name: BBJ Mold Control® (for HVAC Systems and Air Ducts)

Product Codes(s): 486-04

Synonyms: Introduction (EC) 1907/2008. The remaining REACH Registration Number: Some materials in this product have been registered according to Regulation (EC) No 1907/2008. The remaining REACH Regulation (EC) No 1907/2008. EPA Registration No.: 67212-3 Synonyms: Microbiocide in an aqueous solution ACH Registration number. Some pre-registered according to Article 2 REACH Regulation (EC) No 1907/2006.

1.2 Relevant identified uses of the substance or mixture and uses advised against

General Use: Microbial growth inhibitor for use on floors and walls

Uses advised against: No uses advised against

1.3 Details of the supplier and of the safety data sheet

Manufacturer/Distributor

BBJ Environmental Solutions

6324 Pelican Creek Circle

Riverview, FL 33578 USA

1.4 Emergency telephone number: Chemtrec (24 hours) +1-800-424-9300 +1-813-622-8550; Toll free: +1-800-889-2251

2.1 Classification of substance or mixture

Classification (REGULATION (EG) No. 1272/2008. This product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

2.2 Label Elements

Labeling (REGULATION (EC) No 1272/2008) None allocated

Hazard Symbol(s):

None allocated

Signal Word:

Hazard Statement(s): None allocated

Not a hazardous substance or mixture according to EC-Directives 67/548/EEC or 1999/45/EC.

3.1 Substances

Not applicable

3.2 Mixtures

Chemical characterization (preparation)

2 Mixtures	reparation)		200 PM (200 PM	sure observed to the
2 Mixtures Chemical characterization (p	SCAN CONTRACTOR OF THE PARTY OF	CAS Number EC Number	Index Number	###FQ QIG92IIIOSCOCI
Agueous mixture	acodients with a sales of	34590-94-8 Z	202 005 00-8	Xn, R21/22; Xi, R37/38,
% by Weighti	ycol monomethyl ether	52-51-7 200-143-0	000-000 44	R41; N,50
2-Bromo-2-1	nitropropane-1,3-diol		and in the concentration	ons applicable, are classified
<0,1	and the color	rant knowledge of the supplier	and in the	and the transfer of the second

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

Description of the air immediately. If breathing is inhalation: If product vapors or mists cause respiratory imitation or distress, move the exposed person to fresh air immediately. If breathing is inhalation: If product vapors or mists cause respiratory arrest occurs, start artificial respiration by trained personnel. thalation: It product vapors or mists cause respiratory mination of distributions, move the exposed personnel. Leosen tight clothing such as difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Leosen tight clothing such as 4.1 Description of first aid measures a collar, tie, belt or waistband. If symptoms persist, seek medical attention immediately.

Eyes: Immediately flush eyes with large amounts of water for 15 minutes. Remove contact lenses after the first 5 minutes and continue washing.

Skin: Wash affected area with soap and water. Wash contaminated clothing and shoes thoroughly before reuse. Seek prompt medical attention In restrictions of in John State of the conscious and elect drink 2 - 4 cupfuls of milk or water. Do not induce vomitting unless directed to do so by Ingestion: Rinse mouth with water. If conscious and elect drink 2 - 4 cupfuls of milk or water. Do not induce vomitting unless directed to do so by

medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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BBJ Mold Control for HVAC & Air Ducts



4.2 Most important symptoms and effects, both acute and delayed

Polential health symptoms and effects

Eyes: May cause eye irritation and chemical conjunctivitis.

Skin: None expected. May cause mild irritation of unprotected skin with repeated and prolonged use.

Inhalation: None expected. Inhalation of mists, vapors and/or spray may cause mild irritation of the respiratory system.

Ingestion: May cause gastrointestinal upset with nausea, vomiting and diarrhea.

Chronic: No information available.

## SECTION 5 SEIRE FIGHTING MEASURES

5.1 Extinguishable media

Sultable methods of extinction: Use extinguishing media suitable for surrounding fire.

Unsuitable methods of extinction: None known

5.2 Special hazards arising from the substance or mixture

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. If possible, firefighters should control run-off water to prevent environmental contamination.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Wear appropriate protective clothing designated in Section 8. Ventilate the area.

6.2 Environmental precautions

Avoid dispersal of spilled material or run-off and prevent contact with soil and entry into drains, sewers or waterways.

6.3 Methods and materials for containment and cleaning up

Cover drains. Cover with a large quantity of inert absorbent. Collect product using a shovel or broom and into place into an approved container for proper disposal. Observe possible material restrictions (section 7.2 and 10.5). Clean contaminated area with soap and water.

6.4 Reference to other sections

For indications about waste treatment, see section 13.

## SECTION:7- HANDLING AND STORAC

7.1 Precautions for safe handling

Observe label precautions. Wear all appropriate protective equipment specified in Section 8. Keep containers closed when not in use.

Advice on protection against fire and explosion

Keep away from heat, sparks and flame. Solutions containing glycol ethers in water can form flammable vapors with air if heated sufficiently.

7.2 Conditions for safe storage, including any incompatibilities

Keep in cool, dry, ventilated storage areas in closed containers. Transfer only to approved containers having correct labeling. Containers that have been opened should be carefully resealed and kept upright to prevent leakage. Do not take internally. Keep out of reach of children.

7.3 Specific end uses

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

# ECTION 8 EXPOSURE CONTROLS //PERSONAL PROTECTION

8.1 Control parameters

OSHA'PEL ALTER CAS Numbers and the lingredient was the large 100 ppm TWA; 150 ppm STEL; SKIN\_DES 600 ppm; 100 ppm - SKIN Dipropylene glycol monomethyl ether 34590-94-8

8.2 Exposure controls

Engineering Measures: Technical measures and appropriate working operations should be given priority over the use of personal protective

equipment. Use adequate ventilation, Local exhaust is preferable. Refer to See Section 7.1.

Individual protection measures: Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.

Hygiene measures: Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory.

Eyelface protection: Wear protective goggles or safety glasses with unperforated side shields during use. Refer to 29 CFR 1910.133, ANSI Z87.1

Hand Protection: Wear gloves recommended by glove supplier for protection against materials in section 3. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

Other protective equipment: Protective clothing. Protective boots, if the situation requires.

Respiratory Protection: Always use an approved respirator when vapor/aerosols are generated. Where risk assesment shows air-purifying respirators are appropriate use a full-faced respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## TION 9 - PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

Appearance

Clear, colorless liquid

Odor

**Odor Threshold** Molecular Weight Not determined Not applicable Not applicable

Chemical Formula

2.5 - 4.5 @ 20°C (68°F)

рH Freezing/Melting Point Initial Boiling Point Evaporation Rate

Flammability (solid, gas)

0°C (32°F) 100°C (212°F) Not determined Not applicable Not determined Not determined

Flash Point Autoignition Temperature Decomposition Temperature Lower Explosive Limit (LEL) Upper Explosive Limit (UEL) Vapor Pressure

Not determined Not determined Not determined Not determined: Not determined

Vapor Density Specific Gravity Viscosity Solubility in Water

1.00 - 1.05 Not determined Complete

Partition Coefficient: n-octanol/water

<1

Volatiles by Volume @ 70° F

>99%

### 9.2 Other data

No data available

### 10.1 Reactivity

No special reactivity has been reported.

Hazardous polymerization will not occur.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None known

### 10.4 Conditions to avoid

Extreme temperatures. Contact with incompatible materials.

### 10.5 Incompatible materials

Strong oxidizing agents, amines and alkalis

#### 10.6 Hazardous decomposition products

Thermal decomposition products include carbon oxides, nitrogen oxides, aldehydes, ketones, organic acids, formaldehyde.

## SECTION 1/12 TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

**Acute Oral Toxicity** 

Not determined. Expected to have low toxicity.

Acute inhalation toxicity

Not determined. Expected to be non-toxic by inhalation.

Acute-dermal-toxicity-

Not determined. Expected to be non-toxic by dermal contact,

Skin Irritation

Not expected to cause skin irritation,

Eye irritation .

Draize Test - Rabbit: Practically non-irritating to eye; conjunctivitis in some test subjects- 1 h; no occular irritation after 24 hours.

Sensitization

Negative

Genotoxicity in vitro

No data available

Mutagenicity

No data available

Specific organ toxicity - single exposure

No data available

Specific organ toxicity - repeated exposure

No data available

Aspiration hazard No data available

## 11.2 Further information

Further data: Handle in accordance with good industrial hygiene and safety practice.

Chronic Effects: The components of this material are not listed as carcinogens by ACGIH, IARC, NTP or OSHA. No data is available regarding the mutagenicity and/or teratogenicity of this material, nor is there any available data that indicates it causes adverse developmental and/or

## 12.1 Toxicity

This product is not expected to be toxic to aquatic organisms.

## 12.2 Persistence and degradability

Biodegradability

Material is expected to be biodegradable.

## 12.3 Bioaccumulation potential

...Partition\_coefficient/n-octanol.in.water.is.<1; therefore, material is not expected to bioaccumulate 12.4 Mobility

Potential for mobility of this product in natural bodies of water or moist soil is not expected to be an important fate process. The EPA does not have specific data for mobility of Bronopol in soil; however it does not anticipate ground water contamination from the use of this material. Based on the that dipropylene glycol monomethyl ether is completely miscible with water, it is assumed that there will be no tendency for accumulation to soil and

### 12.5 Results of PBT and vPvB assessment No data available

## 12.6 Other adverse effects

Additional ecological information

No data available

## SECTION 13 EDISPOSAL GONSIDERATIONS

## 13.1 Waste treatment methods

Product

Methods of disposal: The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of split material and runoff

Hazardous waste: The classification of this product may meet the criteria for a hazardous waste.

## JIRANSPORT INFORMATION

Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials

This material is not regulated for transport.

Marine Pollutant: This product is a not a marine pollutant.

Signal Word: None allocated Hazard Symbols: None allocated

## SECTION 1/5 REGULATORY INFORMATION

## 15.1 Safety, health and environmental regulations/legislation specific for substance or mixture U.S. Federal Regulations

OSHA-Hazard-Communication-Standard:--This-material contains-"Hazardous-Chemicals" as defined by the OSHA Hazard-Communication

OSHA Process Safety Management Standard: Components of this product are not regulated under OSHA PSM Standard 29 CFR 1910.119. EPA Risk Management Planning Standard: Components of this product are not regulated under EPA RMP Standard (RMP) 40 CFR Part 68.

TSCA Status: All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory. Superfund Amendments and Reauthorization Act (SARA)

SARA Section 311/312 Hazard Categories: This product does not contain any chemical components which are subject to the reporting requirements of Section 311/312 of the Emergency Planning and Community Right-to Know Act of 1986.

SARA 313 Information: None of the chemicals in this product exceed the threshold (de minimis) reporting levels established by Section 313 of the Emergency Planning and Community Right-to Know Act of 1986. SARA 302/304 Extremely Hazardous Substance

No components of the product exceed the threshold (de minimis) reporting levels established by of these sections of Title III of SARA.

SARA 302/304 Emergency Planning & Notification:

No components of the product exceed the threshold (de minimis) reporting levels established by of these sections of Title III of SARA.

Comprehensive Response Compensation and Liability Act (CERCLA): Contains no chemicals regulated under CERCLA

#### Clean Air Act (CAA)

This product does not contain any chemicals that are listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b)

This product does not contain any Class 1 Ozone depletors.

This product does not contain any Class 2 Ozone depletors.

#### Clean Water Act (CWA)

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

### U.S. State Regulations

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:

This product contains no chemical(s) known to the state of California to cause cancer or other reproductive harm.

### Other U.S. State Inventories

None of the chemicals in this product exceed the threshold (de minimis) reporting levels established by State Hazardous Substance Inventories or Right-to-Know lists and/or Air Quality/Air Pollutants lists.

#### Canada

WHMIS Hazard Symbol and Classification: None allocated

Canadian Controlled Products Regulations (CPR): This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations, and the SDS contains all the information required by the Controlled Products Regulations.

Canadian Ingredient Disclosure List (IDL): Contains no chemical concentrations that exceed IDL threshold (de minimis) reporting levels.

Canadian National Pollutant Release Inventory (NPRI): None of the ingredients in this product are listed on the NPRI.

### European Economic Community

WGK, Germany (Water danger/protection): Non-hazardous

#### Chemical Inventory Lists

Country	Inventory Name	macinionaria maria	BONDES RAND
Canada:	Domestic Substance List (DSL).	Yes No	
Canada:	Non-Domestic Substance List (NDSL).	Yes	
Europe:	Inventory of New and Existing Chemicals (EINECS)	Yes	
United States:	Toxic Substance Control Act (TSCA)	Yes	
Australia:	Australian Inventory of Chemical Substances (AICS)	Yes	
New Zealand:	New Zealand Inventory of Chemicals (NZIoC)	Yes	
China:	Inventory of Existing Chemical Substances in China (IECSC)	Yes	
Japan:	Inventory of Existing and New Chemical Substances (ENCS)	Yes	
Korea:	Existing Chemicals List (ECL)	Yes	•
Philippines:	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	165	

<sup>\*&</sup>quot;Yes" indicates that all components of this product are in compliance with the inventory requirements administered by the governing country.

## Hazardous Material Information System (HMIS)



HMIS and NFPA Hazard Rating Legend

\* = Chronic Health Hazard

2 = MODERATE

0 = INSIGNIFICANT

3 = H(GH)

1 = SLIGHT

4 = EXTREME

National Fire Protection Association (NFPA)

Flammability



Health

Instability





Full Text of Risk (R) - Phrases Referenced in Section 3.

R21/22 - Harmful in contact with skin and if swallowed.

R37/38 - Irritating to respiratory system and skin.

R41 - Risk of serious damage to the eyes.

R50 - Very toxic to aquatic organisms.

BBJ Environmental Solutions assumes no legal responsibility or liability form the described product's use. All chemicals possess unknown potential hazards. The information herein should be used only to supplement the end user's existing knowledge. Read directions for proper use. This SDS was written for the product as packaged. Product may turn yellow, orange or brown if pH becomes alkaline; however, this should not affect the product's effectiveness. If frozen, crystals may remain in the container after thawing. Shake until dissolved before using. Cleaning Contractors shall comply with all applicable OSHA regulations.

Preparation Date: 10 December 2012

Revision Date:

<sup>\*&</sup>quot;No" indicates that one or more components of this product are not on the inventory and are not exempt from listing.