

# Safety Data Sheet

## SECTION 1: Identification

- 1.1. Product Identifier**  
**Product Name:** ZymoBac™ CBP S4B
- 1.2. Intended Use of the Product**  
 For use in industrial and commercial cleaning applications and products.
- 1.3. Manufacturer**  
 Microbial Discovery Group  
 5200 W. Ashland Way  
 Franklin, Wisconsin 53132  
 Telephone: 414-235-3767 Website: [www.mdgbio.com](http://www.mdgbio.com)
- 1.4. Emergency Telephone Number** 1-800-424-9300 (CHEMTREC)

## SECTION 2: Hazard Identification

- 2.1. Classification of the Substance or Mixture (GHS-US)** Not Classified
- 2.2. Label Elements (GHS-US)**
- Hazard Pictogram** : None  
**Signal Word** : None  
**Hazard Statements** : None  
**Precautionary Statements:** None
- 2.3. Other Hazards** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

## SECTION 3: Composition / Information on Ingredients

Name	CAS No.	%	Classification (GHS-US)
Sodium chloride (salt)	7647-14-5	> 98	Not classified
<i>Bacillus</i> bacteria culture	none	< 2	Not classified
Anticaking agents	various	< 1-0	Not classified

## SECTION 4: First Aid Measures

- 4.1. Description of First Aid Measures**
- If inhaled**  
 If breathed in, move person into fresh air. If not breathing, give artificial respiration.
- In case of skin contact**  
 Wash off with soap and plenty of water.
- In case of eye contact**  
 Flush eyes with water as a precaution.
- If swallowed**  
 Never give anything by mouth to an unconscious person. Rinse mouth with water.
- 4.2. Most important symptoms and effects, both acute and delayed**  
 The most important known symptoms and effects are described in section 11

## SECTION 5: Fire-Fighting Measures

- 5.1. Extinguishing Media**  
 Use extinguishing media appropriate for surrounding fire.
- 5.2. Special Hazards Arising From the Substance or Mixture**  
 Carbon oxides.
- 5.3. Advice for Firefighters**  
 Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing dust.

### 6.2 Environmental precautions

None expected to be necessary if material is used under ordinary conditions and as recommended.

### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## SECTION 7: Handling & Storage

### 7.1. Precautions for Safe Handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Incompatible Products:** Strong acids. Strong oxidizers.

## SECTION 8: Exposure Controls & Personal Protection

### 8.1. Control Parameters

Particulates Not Otherwise Regulated (Total Dust) for General Industry - OSHA (PEL) 15 mg/m<sup>3</sup> (50 mppcf\*) TWA

### 8.2. Exposure Controls

<b>Engineering Controls</b>	: Adequate ventilation systems as needed to control concentrations of airborne contaminants below the applicable threshold limits.
<b>Hand Protection</b>	: Wear appropriate gloves to mitigate dust on skin.
<b>Eye Protection</b>	: Wear safety glasses.
<b>Skin and Body Protection</b>	: Wear suitable protective clothing to keep dust off skin.
<b>Respiratory Protection</b>	: Where protection from nuisance levels of dusts are desired, use type N95 (US) dust masks.

## SECTION 9: Physical & Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

<b>Physical State</b>	: Solid
<b>Appearance</b>	: Ivory or Beige powder
<b>Odor</b>	: No data available
<b>Odor Threshold</b>	: No data available
<b>pH</b>	: No data available
<b>Relative Evaporation Rate (butylacetate=1)</b>	: No data available
<b>Melting Point</b>	: No data available
<b>Freezing Point</b>	: No data available
<b>Boiling Point</b>	: No data available
<b>Flash Point</b>	: No data available
<b>Auto-ignition Temperature</b>	: No data available
<b>Decomposition Temperature</b>	: No data available
<b>Flammability (solid, gas)</b>	: No data available
<b>Vapor Pressure</b>	: No data available
<b>Relative Vapor Density at 20 °C</b>	: No data available
<b>Relative Density</b>	: No data available
<b>Specific Gravity</b>	: No data available
<b>Solubility</b>	: No data available
<b>Partition coefficient: n-octanol/water</b>	: No data available
<b>Viscosity</b>	: No data available

### 9.2. Other Information

No additional information available

## SECTION 10: Stability & Reactivity

### 10.1 Reactivity

Hazardous reactions will not occur under normal conditions.

10.2	<b>Chemical Stability</b>	Stable.
10.3	<b>Possibility of Hazardous Reactions</b>	No data available.
10.4	<b>Conditions to Avoid</b>	No data available.
10.5	<b>Incompatible Materials</b>	Strong acids. Strong oxidizers.
10.6	<b>Hazardous Decomposition Products</b>	No data available.

## SECTION 11: Toxicological Information

### 11.1. Information On Toxicological Effects

**Acute Toxicity:** Not classified.  
**Skin Corrosion/Irritation:** Classification criteria not met.  
**Serious Eye Damage/Irritation:** Classification criteria not met.  
**Respiratory or Skin Sensitization:** Classification criteria not met.  
**Germ Cell Mutagenicity:** Classification criteria not met.  
**Carcinogenicity:** Classification criteria not met.  
**Reproductive Toxicity:** Classification criteria not met.  
**Specific Target Organ Toxicity (Single Exposure):** Classification criteria not met.  
**Specific Target Organ Toxicity (Repeated Exposure):** Classification criteria not met.  
**Aspiration Hazard:** Classification criteria not met.

#### Potential Health Effects

**Inhalation:** Inhalation of dust may cause mild irritation to mucous membranes, nose, and throat. Symptoms may include coughing, dryness and sore throat.  
**Skin:** May cause mild irritation.  
**Eyes:** May cause mechanical irritation.  
**Ingestion:** Is likely to cause the following symptoms- diarrhea.

## SECTION 12: Ecological Information

12.2.	<b>Toxicity</b>	Material data lacking.
12.2.	<b>Persistence and Degradability</b>	Material data lacking.
12.3.	<b>Bioaccumulative Potential</b>	Material data lacking.
12.4.	<b>Mobility in Soil</b>	Material data lacking.
12.5.	<b>Results of PBT and vPvB</b>	No PBT and vPvB assessment has been conducted.
12.6	<b>Other Adverse Effects</b>	No studies have been found.

## SECTION 13: Disposal Considerations

### 13.1. Waste treatment methods

**Product waste:** Dispose of waste in trash bin.  
**Packaging waste:** Plastic and fibre container is safe for disposal in trash or recycling. Check the local recycling rules to see if the material is accepted into the recycle program.

## SECTION 14: Transportation Information

14.1	<b>In Accordance with DOT</b>	Not regulated for transport.
14.2	<b>In Accordance with IMDG</b>	Not regulated for transport.
14.3	<b>In Accordance with IATA</b>	Not regulated for transport.

## SECTION 15: Regulatory Information

15.1	<b>US Federal Regulations</b>	None.
15.2	<b>US State Regulations</b>	None.

## SECTION 16: Other Information

ZymoBac™

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This document has been prepared by Microbial Discovery Group, LLC in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200, as amended, based on our current knowledge of the ingredients at the time of document creation. This document is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.