

# Material Safety Data Sheet

Version 1.1

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## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1 Product identifiers**

Product name: **BG-CO2-Powder**

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

Identified uses: Formulation of yeast strains and nutrients. Mix with water and sugar to generate carbon dioxide.

### **1.3 Details of the supplier of the safety data sheet**

Company: Biogents AG  
 Weissenburgstr. 22  
 93055 Regensburg  
 Germany

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## **SECTION 2: Hazards identification**

### **2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

### **2.2 Label elements**

Pictogram: None

Signal word: None

Hazard statement(s): None

Precautionary statement(s): None

Supplemental Hazard Statements: None

### **2.3 Other hazards**

Environmental hazards: This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

Other hazards

No particular hazards known.

**SECTION 3: Composition/information on ingredients**

The product is a mixture of different strains of dry yeast, yeast extract, and denatonium benzoate, a bitterant to inhibit ingestion.

**Ingredients:**

<i>Saccharomyces cerevisiae</i> (Dry Yeast)	CAS N° 68876-77-7 EC N° 232-387-9
<i>Saccharomyces cerevisiae</i> (Yeast Extract)	CAS N° 8013-01-2 EC N° 232-387-9
Denatonium benzoate	CAS N° 3734-33-6 EC N° 223-095-2 < 0.1 %

**Other ingredients:**

Urea, Salts, Minerals, Vitamins

**SECTION 4: First aid measures****4.1 Description of first-aid measures****General advice**

Take off contaminated clothing and wash before reuse.

**If inhaled**

If breathed in, ensure supply of fresh air. In the event of symptoms seek medical advice.

**In case of skin contact**

When in contact with skin, clean with soap and plenty of water. If skin irritation persists seek medical advice.

**In case of eye contact**

Rinse thoroughly with plenty of water. In the event of symptoms seek medical advice.

**If swallowed**

Rinse out mouth and give sips of water to drink. In the event of persisting symptoms (for example irritation, discomfort, vomiting, etc.) seek medical advice.

**4.2 Most important symptoms and effects, both acute and delayed**

None known.

**4.3 Indication of any immediate medical attention and special treatment needed**

If seeking medical advice, provide this SDS.

**SECTION 5: Firefighting measures****5.1 Extinguishing media Suitable extinguishing media**

All extinguishing media are suitable, but method must take into account the surrounding area to minimize dispersion.

**5.2 Special hazards arising from the substance or mixture**

In the event of fire, the following can be released:

Carbon monoxide (CO)

Nitrogen oxide (NOx)

Ammonia (NH<sub>3</sub>)

**5.3 Advice for firefighters**

Do not inhale combustion gases. Use self-containment breathing apparatus if necessary.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulation.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment, and emergency procedures**

Use personal protective equipment. Ensure adequate ventilation.

**6.2 Environmental precautions**

Do not discharge into drains/surface water/groundwater.

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

Take up mechanically. Can be disposed of in landfill.

Wet cleaning can be used to remove dust, with liquid waste to sewer.

**6.4 Reference to other sections**

See section 8+13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

No special measures necessary if used correctly.

If irritation or other symptoms are experienced, wear general purpose dust mask when handling

Wash hands before breaks and after work.

Take off contaminated clothing and wash before reuse.

Do not eat or drink when working.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in the original packaging or in a clean, closed container.

Store in a cool and dry place.

**7.3 Specific end use(s)**

See product use, Section 1.2

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with workplace control parameters**

Not applicable.

**8.2 Exposure controls****Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Ensure adequate ventilation on workstation.

**Personal protective equipment****Eye/face protection**

Not required under normal conditions.

**Hand protection**

Not required under normal conditions.

**Skin protection**

Not required under normal conditions.

Avoid contact with eyes and skin.

**Respiratory protection**

Not required under normal conditions. If irritation or other symptoms are experienced, wear general purpose dust mask when handling

**Thermal hazards.**

Not applicable.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- |    |            |   |
|----|------------|---|
| a) | Appearance | Form: fine to granular powder<br>Colour: tan to beige |
| b) | Odor       | yeasty  |

c)	Odor Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	Not applicable
f)	Initial boiling point and boiling range	Not applicable
g)	Flash point	No data available
h)	Evaporation rate	Not applicable
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapor pressure	Not applicable
l)	Vapor density	Not applicable
m)	Relative density	No data available
n)	Water solubility	No data available
o)	Partition coefficient: n-octanol/water	Not applicable
p)	Autoignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	Not applicable
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

## 9.2 Other safety information

No data available

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No dangerous reactions known if used as directed.

### **10.2 Chemical stability**

Stable under recommended storage conditions (ambient temperature).

### **10.3 Possibility of hazardous reactions**

Reactions with strong oxidizing agents, strong acids and alkalis.

### **10.4 Conditions to avoid**

No data available

### **10.5 Incompatible materials**

See section 10.3

**10.6 Hazardous decomposition products**

In the event of fire: see section 5

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Based on the available data, the classification criteria are not met.

**Skin corrosion/irritation**

Based on the available data, the classification criteria are not met.

**Serious eye damage/eye irritation**

Based on the available data, the classification criteria are not met.

**Respiratory or skin sensitization**

Based on the available data, the classification criteria are not met.

**Germ cell mutagenicity**

Does not contain any relevant substances fulfilling the classification criteria.

**Carcinogenicity**

Does not contain any relevant substances fulfilling the classification criteria.

**Reproductive toxicity**

Does not contain any relevant substances fulfilling the classification criteria.

**Specific target organ toxicity - single exposure**

Based on the available data, the classification criteria are not met.

**Specific target organ toxicity - repeated exposure**

Based on the available data, the classification criteria are not met.

**Aspiration hazard**

Based on the available data, the classification criteria are not met.

**Additional Information**

Toxicological data of complete product are not available.

**SECTION 12: Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

Based on all available information not to be classified as bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

**12.6 Other adverse effects**

No data available.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

Do not discharge product unmonitored into the environment.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Coordinate disposal with the authorities if necessary.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport information****14.1 UN number**

ADR/RID: not applicable

Inland navigation (ADN): not applicable

IMDG: not applicable

IATA: not applicable

**14.2 UN proper shipping name**

ADR/RID: No dangerous goods

Inland navigation (ADN): No dangerous goods

IMDG: Not classified as "DANGEROUS GOODS"

IATA: Not classified as "DANGEROUS GOODS"

**14.3 Transport hazard class(es)**

ADR/RID: not applicable

Inland navigation (ADN): not applicable

IMDG: not applicable

IATA: not applicable

#### **14.4 Packaging group**

ADR/RID: not applicable

Inland navigation (ADN): not applicable

IMDG: not applicable

IATA: not applicable

#### **14.5 Environmental hazards**

ADR/RID: no

Inland navigation (ADN): no

IMDG Marine pollutant: no

IATA: no

#### **14.6 Special precautions for user**

Relevant information under section 6 to 8.

#### **14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicable

### **SECTION 15: Regulatory information**

#### **15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture**

#### **15.2 Chemical Safety Assessment**

For this product, a chemical safety assessment was not carried out.

### **SECTION 16: Other information**

#### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Biogents shall not be held liable for any damage resulting from handling or from contact with the above product.