



# SAFETY DATA SHEET

First you add knowledge...

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** BL-05 100B - 20 KG

### Other means of identification

**Product Code** 1244824

### Recommended use of the chemical and restrictions on use

**Recommended Use** Food industry.

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

#### **Supplier Address**

Danisco USA Inc.  
3329 Agriculture Drive  
Madison, WI 53716  
USA  
+1 800 255 6837.

#### **E-mail address**

sds.cultures@dupont.com

#### **Emergency Telephone Number**

+1 (319) 368-7657. For a Distribution incident - Spill, Leak, or Accident  
CALL CHEMTREC - 800-424-9300 (within US)  
DuPont registration number 671983

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

### Label Elements

This product is not classified as hazardous according to the UN GHS guideline and labeling is not required

#### **Emergency Overview**

### Hazards not otherwise classified (HNOC)

#### **Other Hazards**

WARNING MAY FORM COMBUSTIBLE DUST- AIR MIXTURE  
May cause allergic reactions to sensitive individuals by ingestion or by skin/eye contact.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Issuing Date** 07/07/2011  
**Revision Date** 03/11/2016

**Americas GHS Format**  
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**Description** Freeze-dried microbial cultures.

Chemical Name	CAS No	%
Microbial freeze dried Cultures	-	--

#### 4. FIRST AID MEASURES

##### First Aid Measures

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If eye irritation persists: Get medical advice/attention.

**Skin Contact:** Wash off immediately with plenty of water. If skin irritation persists, call a physician.

**Inhalation** If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

##### Most important symptoms and effects, both acute and delayed

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

##### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical.

##### Explosion Data

**Sensitivity to Mechanical Impact** Avoid dust formation.

**Sensitivity to Static Discharge** Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

##### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.

#### 6. ACCIDENTAL RELEASE MEASURES

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

If spilled, take caution, as material can cause surfaces to become very slippery. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). For personal protection see section 8.

##### Environmental Precautions

No special environmental precautions required.

##### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Prevent dust cloud.

**Methods for Cleaning Up** Avoid dust formation. Use industrial vacuum cleaners approved for combustible dust and area electrical classification. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Minimize dust generation and accumulation. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA- 654). Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Conditions for safe storage, including any incompatibilities** Keep/store only in original container. Keep container tightly closed. Check the Product Description for storage temperatures.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** Based on data available for ingredients.

Chemical Name	ACGIH TLV	OSHA 8 Hr. TWA:	NIOSH IDLH
Organic dust RR-13424-7	None known	None known	None known
Microbial freeze dried Cultures	None known	None known	None known

### Appropriate engineering controls

**Engineering Measures** Transfer via enclosed lines. Formulate in enclosed or ventilated mixing vessels. Carefully handle the substance to minimize releases. Avoid generation of dust and aerosols.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Tightly fitting safety goggles.

**Skin and Body Protection** Wear protective gloves and protective clothing.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

**Physical State** Powder, Solid

**Color** Light cream Tan

**Odor** Typical odor of fermented product

**Odor Threshold** No data available

**pH** No data available

**Melting point / freezing point** No data available

**Boiling point / boiling range** No data available

**Flash Point** No data available

**Evaporation rate** No data available

**Flammability (solid, gas)** No data available

**Upper/lower flammability or explosive limits**

**Upper Flammability Limit** No data available

**Upper explosive limits** No data available

**Lower Flammability Limit** No data available

**Lower explosive limits** No data available

**Vapor Pressure** No data available

Vapor Density	No data available
Relative density	No data available
Specific Gravity	No data available
Water Solubility	slightly soluble
Partition Coefficient (n-octanol/water)	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

Not expected.

### Chemical stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

#### Incompatible Materials

None known.

### Hazardous decomposition products

None known.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

#### Acute Toxicity

##### Inhalation

Inhalation of dust in high concentration may cause irritation of respiratory system.

##### Eye Contact

Dust contact with the eyes can lead to mechanical irritation.

##### Skin Contact:

Prolonged or repeated contact may dry skin and cause irritation.

##### Ingestion

No known effect

### Information on toxicological effects

#### Symptoms

No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Sensitization

May cause sensitization in susceptible persons.

#### Mutagenic effects

No data available.

#### Carcinogenicity

No data available.

#### Reproductive effects

No data available.

#### STOT - single exposure

No data available.

#### STOT - repeated exposure

No data available.

#### Aspiration hazard

Not expected.

### Numerical measures of toxicity

#### Component Information

Classification based on data available for ingredients

Chemical Name	ACGIH	IARC	NTP	OSHA
Microbial freeze dried Cultures	None known	None known	None known	None known

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Classification based on data available for ingredients

### Persistence and Degradability

Based on data available for ingredients

### Bioaccumulation/Accumulation

No bioaccumulation potential

### Mobility

Soluble in water

### Other Adverse Effects

None known

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### **Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

#### **Contaminated Packaging**

Dispose of empty containers and wastes safely. Dispose of waste product or used containers according to local regulations.

## 14. TRANSPORT INFORMATION

#### **Harmonized system code**

3002.90.5150

#### **Dangerous Goods Class**

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

#### **DOT UN/NA Number**

Not classified as dangerous goods according to US transport regulation 49 CFR.

## 15. REGULATORY INFORMATION

### US Federal Regulations

Chemical Name	SARA 313 - Threshold Values %	CERCLA/SARA - Section 302 Extremely Haz
Microbial freeze dried Cultures	Not listed	Not listed

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This product does not contain any Proposition 65 chemicals

**16. OTHER INFORMATION**

**Prepared By** DuPont Nutrition & Health

**Issuing Date** 07/07/2011

**Revision Date** 03/11/2016

**Revision Number** 2

**SDS sections updated** None.

**Disclaimer**

The information provided on this (M)SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet