

## Safety Data Sheet

# Bioengineered Brewing Yeast



Version: 1  
Version date: 02/08/2024  
Language: EN  
According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2020/878)

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Trade name/designation** : Bioengineered Brewing Yeast.

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

**Relevant identified uses** : For brewing applications.

**Uses advised against** : No data available.

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

**Supplier** : **Name:** Danstar Ferment A.G. F+T DO BRASIL NUTRIÇÃO ANIMAL LTDA  
**Street:** Estrada Professor Messias José Baptista , 2007 Itaperu  
**Postal code/City:** 13.432-700 Piracicaba-SP  
**Country:** Brazil  
**Telephone:** +43 2235 930 864 01  
**E-mail:** brewingorders@lallemand.com

### 1.4. Emergency Telephone Number

Contact to your local doctor or hospital.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

**Hazards identification:** This mixture is not classified as dangerous.

### 2.2. Label elements

Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Labelling

**Hazard pictograms**

None

**Signal word**

None

**Hazard Statements :**

None

**Precautionary Statements :**

None

### 2.3. Other hazards

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

In accordance with the product knowledge, no nanomaterials have been identified.

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

Substance	Concentration (%)	Specific concentration limits	Classification
<b>Yeast Dried</b>			
CAS N° EC N° 929-251-2 IDX N° Registration number	C= 99.0%		
<b>Sorbitan Fatty Acid Ester</b>			
CAS N° EC N° IDX N° Registration number	C= 1.0%		

**Remark**

Not available

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures****General information:**

When in doubt or if symptoms are observed, get medical advice.

**Following inhalation:**

No special measures are necessary.

Provide fresh air.

**Following skin contact:**

Wash with soap and water.

**Following eye contact:**

In case of eye irritation consult an ophthalmologist.

Rinse immediately carefully and thoroughly with eye-bath or water.

**Following ingestion:**

IF SWALLOWED: Rinse mouth.

Do NOT induce vomiting.

**Self-protection of the first aider:**

No special measures are necessary.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

**4.3. Indication of any immediate medical attention and special treatment needed****Notes for the doctor:**

Treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media****Suitable extinguishing media:**

Foam.

Extinguishing powder.

Carbon dioxide (CO<sub>2</sub>).

Sand.

**Unsuitable extinguishing media:**

Strong water jet.

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

Formation of toxic gases is possible during heating or in case of fire.

**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

**Additional information**

Do not inhale vapors and fumes.

Co-ordinate fire-fighting measures to the fire surroundings.

Move undamaged containers from immediate hazard area if it can be done safely.

Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen.

Use water spray jet to protect personnel and to cool endangered containers.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

No special measures are necessary.

**6.2. Environmental precautions**

Ensure that waste is collected and contained.

**6.3. Methods and material for containment and cleaning up**

Treat the recovered material as prescribed in the section on waste disposal. Use a vacuum or broom and dust pan. Vacuum up or sweep the spill into a dust pan. Powder may be collected in a container or bag before being placed in the trash. Dispose of waste in the proper receptacle for trash.

Collect in closed and suitable containers for disposal.

**6.4. Reference to other sections**

Safe handling: see section 7.

Disposal: see section 13.

Personal protection equipment: see section 8.

**Additional information**

Not available

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling****PROTECTIVE MEASURES:**

Avoid breathing dust. Avoid contact with eyes.

**Advices on general occupational hygiene:**

Wash hands before breaks and after work.

Remove contaminated, saturated clothing.

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

Keep container tightly closed in a dry, cool, and well-ventilated place.

Keep container in upright position in order to prevent leakage.

**7.3. Specific end uses**

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

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limits:**

Does not contain substances above concentration limits fixing an occupational exposure limit.

**Biological limit values:**

No limit.

**Exposure limits at intended use:**

No limit.

**Remark:**

Not available

**8.2. Exposure controls****Appropriate engineering controls:**

See section 7. No additional measures necessary.

**Individual protection measures, such as personal protective equipment: Not available**

<b>Eye/face protection</b>	:	<b>Suitable eye protection:</b> Protective glasses should be worn in conditions of excessive dusting.
<b>Skin protection</b>	:	<b>Hand protection:</b> <b>Suitable gloves type:</b> No special measures are necessary. <b>Body protection:</b> <b>Suitable protective clothing:</b> Wear appropriate clothing for work / lab coat.
<b>Respiratory protection</b>	:	<b>Suitable respiratory protection apparatus:</b> Protective mask should be worn in conditions of excessive dusting.

**Environmental exposure controls:**

No special measures are necessary.

**Consumer exposure controls:**

Not available

**Additional information**

Not available

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	:	Solid, powder
<b>Colour</b>	:	Tan to beige Powder
<b>Odour</b>	:	Typical Yeast Aroma
<b>pH</b>	:	Not applicable
<b>Melting point/freezing point</b>	:	Not available
<b>Initial boiling point and boiling range</b>	:	Not applicable
<b>Flash point</b>	:	Not applicable
<b>Flammability</b>	:	Not available
<b>Upper/lower flammability or explosive limits</b>	:	Not applicable
<b>Vapour pressure</b>	:	Not available
<b>Vapour density</b>	:	Not applicable
<b>Relative density</b>	:	Not available
<b>Solubility(ies)</b>	:	Mostly soluble
<b>Partition coefficient n-octanol/water (log value)</b>	:	Not applicable
<b>Auto-ignition temperature</b>	:	Not applicable
<b>Decomposition temperature</b>	:	Not available
<b>Dynamic viscosity</b>	:	Not available
<b>Kinematic viscosity</b>	:	Not available
<b>Oxidising properties</b>	:	Not available
<b>Solubility in other Solvents</b>	:	Not available
<b>Particle characteristics</b>	:	Not available

## 9.2. Other safety information

### Information concerning to the classes of physical hazards

Not available

### Other security characteristics

Not available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

The product is not reactive.

### 10.2. Chemical stability

The product is stable when stored at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

None.

### 10.5. Incompatible materials

None.

### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

### Additional information

Not available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity:

The product is not classified.

#### Substances:

Not available

#### Acute dermal toxicity:

The product is not classified.

#### Substances:

Not available

#### Acute inhalation toxicity:

The product is not classified.

#### Substances:

Not available

#### Skin corrosion/irritation:

Possible irritation to skin.

#### Substances:

Not available

#### Serious eye damage/irritation:

Possible irritation to eye.

**Substances:**

Not available

**Skin sensitisation:**

Possible allergic reaction or sensitization.

**Substances:**

Not available

**Specific target organ toxicity (repeated exposure):**

The product is not classified.

**Substances:**

Not available

**Specific target organ toxicity (single exposure):**

The product is not classified.

**Substances:**

Not available

**Carcinogenicity:**

The product is not classified.

**Substances:**

Not available

**Reproductive toxicity:**

The product is not classified.

**Substances:**

Not available

**Germ cell mutagenicity:**

The product is not classified.

**Substances:**

Not available

**Sensitisation to the respiratory tract:**

Possible allergic reaction or sensitization.

**Substances:**

Not available

**Additional information:**

Eye contact: Possible irritation.

Skin contact: Possible irritation.

Inhalation: May cause coughing (irritation) or irritate asthma.

Ingestion: Possible bloating, gas, and bowl discomfort.

**11.2. Information on other hazards**

**Endocrine disrupting properties:**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1. Toxicity**

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

**Substances:**

Not available

**12.2. Persistence and degradability**

The product has not been tested.

**Substances:**

Not available

**12.3. Bioaccumulative potential**

The product has not been tested.

**Substances:**

Not available

**12.4. Mobility in soil**

The product has not been tested.

**Substances:**

Not available

**12.5. Results of PBT and vPvB assessment**

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

**12.6. Endocrine disrupting properties**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

**12.7. Other adverse effects**

Not available

**Additional ecotoxicological information**

Not available

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods****Product/Packaging disposal:****Waste codes/waste designations according to EWC/AVV:**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Waste treatment options:****Appropriate disposal/Product:**

Dispose of waste according to applicable legislation.

**Appropriate disposal/Package:**

Dispose of waste according to applicable legislation.

**Remark:**

Not available

**Additional information**

Not available

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

The product is not hazardous according to the applicable transport regulations.

**14.2. UN proper shipping name**

Not regulated.

**14.3. Transport hazard class(es)**

Not regulated.

**14.4. Packing group**

Not regulated.

**14.5. Environmental hazards**

Not regulated.

**14.6. Special precautions for user**

Not regulated.

**14.7. Bulk shipping according to IMO instruments**

Not regulated.

**Additional information**

Not available

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006.

This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

**15.2. Chemical Safety Assessment**

For this substance/mixture a chemical safety assessment is not required.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**Additional information**

Not available

**SECTION 16: OTHER INFORMATION****Indication of changes**

July 2024: New SDS format

**Abbreviations and acronyms**

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.

ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.

CLP: Classification, labeling and packaging.

VPvB: very persistent and very bioaccumulative substances.

**Key literature references and sources for data**

No data available.

**Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]**

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

Complies with ATP 18, Regulation (EU) n°2022/692.

**Relevant R-, H- and EUH-phrases (Number and full text)****Training advice**

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

**Additional information**

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The information given in this Safety Data Sheet is based on our present knowledge and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.