

# Saccharomyces Cerevisiae - MSDS

## MATERIAL SAFETY DATA SHEET

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### SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**Product Identifier:**

Product name: Saccharomyces cerevisiae  
 Product Number: FPP-6  
 Brand: Pangoo  
 CAS-No.: 68308-36-1

**Name of supplier, address and emergency telephone number:**

Company : Pangoo Biotech Hebei Co., Ltd.  
 Add: Cangzhou, Hebei, China  
 Emergency telephone number: +86-317-8585021

**Product use:** As feed additive for animals

**Date of MSDS preparation:** 11/21/2018

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### SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

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**Composition:**

Name	CAS #	% by Weight
Saccharomyces cerevisiae	Not listed	100

**Toxicological Data on Ingredients:** L-Threonine LD50: Not available. LC50: Not available.

None. There are no WHMIS Controlled Products present at greater than 1.0% of the composition. There are no known embryo toxins, carcinogens, reproductive toxins, respiratory tract sensitizers or mutagens (as per section 53 to 57 of the Canadian Controlled Products Regulations) present at greater than 0.1%. There are no ingredients present which are listed on the WHMIS Ingredient Disclosure List at, or above, the minimum concentration specified on the List.

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### SECTION 3 HAZARDS IDENTIFICATION

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**Signs and symptoms of overexposure to bacterial powder through primary routes of exposure :**

**Skin contact :** May cause irritation on prolonged contact.  
**Eye contact :** May cause eye irritation upon direct contact.

**Inhalation :** In some cases, repeated exposure may lead to allergic sensitization based on the exposure level, duration and susceptibility of the individual. Subsequent chronic or acute exposure in sensitized persons may cause a respiratory allergic reaction in minutes or delayed, or a mixture of both. Typical symptoms are respiratory irritation, breathlessness, coughing, chest tightness and difficulty breathing.

**Ingestion :** Excessive ingestion of highly concentrated yeast powder could lead to intestinal discomfort (e.g. diarrhea, bloating, cramping, etc.)

**Carcinogenicity :** Based on information presently available, this product does not meet any of the health hazard definitions of the U.S. CFR Title 29 Section 1910.1200.

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### SECTION 4 FIRST AID MEASURES

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**If accidental overexposure is suspected :**

**Inhalation:** Keep patient calm, remove to fresh air, seek medical attention.

<b>Eye contact:</b>	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
<b>Skin Contact:</b>	Wash thoroughly with soap and water.
<b>If swallowed:</b>	Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
<b>General advice:</b>	Remove contaminated clothing.
<b>Note to physician :</b>	No special precautions to report.
<b>Medical conditions likely to be aggravated by exposure :</b>	None
If any symptoms persist, seek medical attention.	

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SECTION 5 FIRE FIGHTING MEASURES

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<b>Flammability:</b>	N/A
<b>Extinguishing media :</b>	Water, foam, carbon dioxide, dry powder.
<b>Flash point and method of determination :</b>	Solid.
<b>Flammable limits (% by volume in air) :</b>	Not applicable.
<b>Autoignition temperature :</b>	N/A
<b>Hazardous combustion products :</b>	None
<b>Explosion - sensitivity to mechanical impact :</b>	None
<b>Explosion - sensitivity to static discharge :</b>	None
<b>Firefighting procedures :</b>	Use self-contained breathing apparatus (SCBA) when exposed to confined or enclosed fires. Material becomes slippery when wet.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

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In case material is released or spilled, vacuum spill or dilute with water before removal. Collect waste in suitable container and wash surface with water. Avoid high pressure rinsing. Maintain good housekeeping practices. Bio-degradable may be discharged into sewer. No special disposal method required, expect that it be in accordance with current local, state / provincial and federal regulations.

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SECTION 7 HANDLING AND STORAGE

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**Handling:**

Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wear protective equipment described in Section VIII if exposure conditions warrant. Wash thoroughly after handling. Launder contaminated clothing before reuse.

**Storage :**

Store in original container or in clean, covered container. Keep containers sealed and dry. Store in cool, dry, well-ventilated area. Avoid storage at elevated temperatures for prolonged periods of time. Bags should be kept sealed and dry.

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SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>Respiratory protection:</b>	Protective mask should be worn in conditions of excessive dusting.
<b>Eye protection:</b>	Protective glasses should be worn in conditions of excessive dusting. If eye contact occurs, rinse with water.
<b>Clothing :</b>	Suitable protective clothing.
<b>Work / hygiene practices :</b>	Follow current Good Manufacturing Practices when handling food ingredients and materials.
<b>Specific engineering controls :</b>	None.

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 SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES
 

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<b>Appearance:</b>	Light tan powder.
<b>Odor:</b>	Mild savory odor.
<b>Microbial concentration :</b>	None
<b>Physical state :</b>	Solid (powder)
<b>Odour treshold :</b>	N/A
<b>Specific gravity :</b>	N/A
<b>Vapour pressure :</b>	N/A
<b>Vapour density :</b>	N/A
<b>Evaporation rate :</b>	N/A
<b>Boiling point :</b>	N/A
<b>Freezing point :</b>	N/A
<b>Melting point :</b>	N/A
<b>pH :</b>	N/A
<b>Partition coefficient :</b>	N/A
<b>Viscosity :</b>	N/A
<b>Solubility in water :</b>	Partially soluble.

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 SECTION 10 STABILITY AND REACTIVITY
 

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<b>Reactivity:</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	The product is stable.
<b>Incompatibility :</b>	Not established.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid :</b>	Not established.
<b>Hazardous decomposition products :</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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 SECTION 11 TOXICOLOGICAL INFORMATION
 

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<b>Products recognized as safe</b>	
<b>Effects of short-term exposure :</b>	None.
<b>Effects of long-term exposure :</b>	None.
<b>Irritancy :</b>	Unknown.
<b>Sensitization :</b>	N/A
<b>Allergy :</b>	Yeast product.
<b>Carcinogenicity :</b>	Based on information presently available, this product does not meet any of the health hazard definitions of the U.S. CFR Title 29 Section 1910.1200
<b>Reproductive toxicity :</b>	N/A
<b>Teratogenicity :</b>	N/A
<b>Mutagenicity :</b>	N/A
<b>Toxicologically synergistic products :</b>	N/A

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 SECTION 12 ECOLOGICAL INFORMATION
 

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<b>Ecotoxicity:</b>	N/A
<b>Persistence and degradability:</b>	N/A
<b>Bioaccumulative potential</b>	N/A
<b>Mobility in soil :</b>	N/A
Soil/water partition coefficient (KOC)	N/A
<b>Other adverse effects:</b>	No known significant effects or critical hazards.

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 SECTION 13 DISPOSAL CONSIDERATIONS
 

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**Disposal methods:**

The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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 SECTION 14 TRANSPORT INFORMATION
 

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<b>DOT (US)</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>IATA</b>	Not dangerous goods

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 SECTION 15 REGULATORY INFORMATION
 

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**U.S. Federal regulations:**

TSCA 8(a) CDR Exempt/Partial exemption: This material is listed or exempted.

United States inventory (TSCA 8b): This material is listed or exempted.

**Clean Air Act Section 112** Not listed

**(b) Hazardous Air Pollutants (HAPs)** Not listed

**Clean Air Act Section 602 Class I Substances** Not listed

**Clean Air Act Section 602 Class II Substances** Not listed

**DEA List I Chemicals (Precursor Chemicals)** Not listed

**DEA List II Chemicals (Essential Chemicals)** Not listed

**SARA 302/304**

Composition/information on ingredients No products were found.

**SARA 304 RQ**

Not applicable.

**SARA 311/312**

Classification

Not applicable.

Composition/information on ingredients

No products were found.

**State regulations**

Massachusetts

This material is not listed.

New York

This material is not listed.

New Jersey

This material is not listed.

Pennsylvania

This material is not listed.

**International regulations**

Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed

Montreal Protocol (Annexes A, B, C, E) Not listed

Stockholm Convention on Persistent Organic Pollutants Not listed

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Rotterdam Convention on Prior Inform Consent (PIC)	Not listed
UNECE Aarhus Protocol on POPs and Heavy Metals	Not listed
<b>Canada</b>	
WHMIS (Canada) Canadian lists	Not controlled under WHMIS (Canada).
Canadian NPRI	This material is not listed.
CEPA Toxic substances	This material is not listed.
Canada inventory	This material is listed or exempted.

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## SECTION 16

## OTHER INFORMATION

"IMO" : not dangerous for sea transport

Disclaimer

*Additional references can be taken from the label or the product description. The information given here is correct to the best of our knowledge at the time of writing this sheet. No responsibility can be taken for improper use or handling of the product.*