



## MATERIAL SAFETY DATA SHEET

NFPA	HIMS	Personal Protective Equipment						
	<table><tr><td>Health Hazard</td><td>1</td></tr><tr><td>Fire Hazard</td><td>1</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	1	Fire Hazard	1	Reactivity	0	
Health Hazard	1							
Fire Hazard	1							
Reactivity	0							
		See Section 15						

### Section 1 – Chemical Product and Company Identification

Common Name/Trade Name

## Brewer's Yeast

Synonyms:

Yeasts, brewery yeasts

Chemical Family

Saccharomyces Cerevisiae

CAS No.

8013-01-02

Manufacturer

PE "Slavutych tara", UKRANE, 03083, Kyiv  
Pyrohivskyi Shlyakh St, 34

Supplier

PE "Slavutych tara", UKRANE, 03083, Kyiv  
Pyrohivskyi Shlyakh St, 34

Contact Email:

info@slt-zp.com

### Section 2 – Composition and information on Ingredients

Ingredients:

100% Dry brewery yeasts (Saccharomyces cerevisiae)

### Section 3 – Hazards Identification

**Potential Acute Health Effects**

Slightly hazardous in case of eye contact (irritant), of ingestion, of inhalation. Non-irritant for skin.

**Potential Chronic Health Effects**

**CARCINOGENIC EFFECTS:** Not available.

**MUTAGENIC EFFECTS:** Not available.

**TERATOGENIC EFFECTS:** Not available.

**DEVELOPMENTAL TOXICITY:** Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.



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### Section 4 – First Aid Measures

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.
<b>Skin Contact</b>	Wash with soap and water. Get medical attention if irritation develops. Cold water may be used.
<b>Serious Skin Contact</b>	Not available.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Serious Inhalation</b>	Not available.
<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Serious Ingestion</b>	Not available.

### Section 5 – Fire and Explosion Data

<b>Flammability of the Product</b>	May be combustible at high temperature
<b>Auto-Ignition Temperature</b>	Not available
<b>Flash Points</b>	Not available
<b>Flammable Limits</b>	Not available
<b>Products of Combustion</b>	Not available
<b>Fire Hazards in Presence of Various Substances</b>	Slightly flammable to flammable in presence of heat
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of mechanical impact: Not available Risks of explosion of the product in presence of static discharge: Not available
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemical powder LARGE FIRE: Use water spray, fog or foam. Do not use water jet
<b>Special Remarks on Fire Hazards</b>	As with most organic solids, fire is possible at elevated temperatures
<b>Special Remarks on Explosion Hazards</b>	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard



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### Section 6 – Accidental Release Measures

#### Small Spill

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

#### Large Spill

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

### Section 7 – Handling and Storage

#### Precautions

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents.

#### Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area.

### Section 8 – Exposure Controls/Personal Protection

#### Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

#### Personal Protection

Safety glasses. Lab coat. Dust respirator. Use a dust respirator if ventilation is inadequate and/or handling of material generates visible dust clouds. Be sure to use an approved/certified respirator or equivalent. Gloves (impervious).

#### Personal Protection in Case of a Large Spill

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

#### Exposure Limits

Not available.

### Section 9 – Physical and Chemical Properties

#### Physical state and appearance Odor

Solid. (Powdered solid)

#### Taste

Not available

#### Color

Beige powder

#### Oror

Characteristic



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<b>Molecular Weight</b>	Not available
<b>pH (1% soln/water)</b>	Not available
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Critical Temperature</b>	Not available
<b>Specific Gravity</b>	Not available
<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available
<b>Volatility</b>	Not available
<b>Odor Threshold</b>	Not available
<b>Water/Oil Dist. Coeff.</b>	Not available
<b>Ionicity (in Water)</b>	Not available
<b>Dispersion Properties</b>	See solubility in water
<b>Solubility</b>	Easily soluble in cold water

### Section 10 – Stability and Reactivity Data

<b>Stability</b>	The product is stable
<b>Instability Temperature</b>	Not available
<b>Conditions of Instability</b>	Excess heat, incompatible materials, dust generation
<b>Incompatibility with various Substances</b>	Reactive with oxidizing agents
<b>Corrosivity</b>	Non-corrosive in presence of glass
<b>Special Remarks on Reactivity</b>	Not available
<b>Special Remarks on Corrosivity</b>	Not available
<b>Polymerization</b>	Will not occur

### Section 11 – Toxicological Information

<b>Routes of Entry</b>	Inhalation. Ingestion.
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### Toxicity to Animals

LD50: Not available.

LC50: Not available.

### Chronic Effects on Humans

Not available.

### Other Toxic Effects on Humans

Slightly hazardous in case of ingestion, of inhalation.

Non-irritant for skin.

### Special Remarks on Toxicity to Animals

Lethal Dose/Conc 50% Kill:

LD50[Rat] - Route: Intraperitoneal; Dose: 4500 mg/kg

LD50[Mouse] - Route: Intraperitoneal; Dose: >8000 mg/kg

### Special Remarks on Chronic Effects on Humans

Not available.

### Special Remarks on other Toxic Effects on Humans

Acute Potential Health Effects:

Skin: Not likely to cause skin irritation.

Eyes: Dust may cause eye irritation by mechanical action.

Inhalation: Dust may cause respiratory tract irritation by mechanical action.

Ingestion: Low hazard. Ingestion of very large amounts may cause gastrointestinal tract disturbances. The

only data that was found in the Registry of Toxic Effects of Chemical Substances (RTECS) was LD50 toxicity for rat and mouse by the intraperitoneal route. Exposure to very large amounts by intraperitoneal route did affect behavior/central nervous system (convulsions, somnolence), respiration (dyspnea), and eyes (pupillary dilation). However, this not a usual route of exposure that any one handling the material would experience.

## Section 12 – Ecological Information

### Ecotoxicity

Not available

### BOD5 and COD

Not available

### Products of Biodegradation

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise

### Toxicity of the Products of Biodegradation

Not available

### Special Remarks on the Products of Biodegradation

Not available

## Section 13 – Disposal Considerations

### Waste Disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations



## MATERIAL SAFETY DATA SHEET

### Section 14 – Transport Information

**DOT Classification**

Not a DOT controlled material

**Identification**

Not applicable

**Special Provisions for Transport**

Not applicable

**DOT (Pictograms)**



### Section 15 – Other Regulatory Information and Pictograms

**WHMIS classification for product:**

Not a WHMIS regulated product. Product is classified as NIH (National Institute of Health, US) Risk Group I and is not considered to fall within the Canadian Controlled Products Regulations criteria for biohazardous infectious materials. This product does not meet the definition of a hazardous material given in the U.S. Occupational Safety and Health Administration's Hazard Communication Standard. This product does not require a registration or Chemical Safety Report under EU Regulation 1907/2006.

### Section 15 – Other Regulatory Information and Pictograms

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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