

SECTION I - PRODUCT & COMPANY IDENTIFICATION

Product name: DistilaMax HT
 Product code: 6430-30
 Description: Saccharomyces cerevisiae. Yeast culture in powder form.
 Product use: Beverage alcohol production.

Supplier name and address: **Lallemand Biofuels & Distilled Spirits, Corporate Support Center
 1815 Satellite Boulevard, Building 200,
 Duluth GA 30097**

Information telephone: 1 (678) 474-4590
 Emergency telephone: 1 (678) 474-4590

SECTION II - HEALTH HAZARD IDENTIFICATION

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

Skin contact: May cause irritation on prolonged contact.
 Eye contact: May cause eye irritation upon direct contact. Seek medical attention.
 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.).

SECTION III – DATA ON COMPONENTS

Product composition: Saccharomyces cerevisiae
 Hazardous ingredients: None

Information on yeast component as follows:

Name	CAS #	% by Wt	LD ₅₀ & LC ₅₀	OSHA PEL	ACGIH TLV
<i>Saccharomyces cerevisiae</i>	68876-77-7	100%	Not established	Not established	Not established

SECTION IV – FIRST AID MEASURES (If any symptoms persist, seek medical attention)

Emergency and First aid procedures

Eye contact: Flush eyes for at least 15 minutes. Provide symptomatic /supportive care as necessary
 Skin contact: Wash affected area with soap and water. If irritation persists seek medical attention
 Inhalation: Immediately remove person to fresh air. Give respiratory support if necessary, seek medical attention
 Ingestion: Drink plenty of water. Provide symptomatic/supportive care as necessary

Medical conditions likely to be aggravated by exposure: Not determined

Delayed effect that can be expected after exposure: Not determined

SECTION V – FIRE FIGHTING MEASURES

Conditions of flammability:	Unknown.
Extinguishing media:	Water, foam, carbon dioxide, dry powder.
Flash point:	Not applicable
Flammable limits:	Not applicable.
Auto-ignition temperature:	No data available.
Hazardous combustion products:	None.
Explosion – sensitivity to mechanical impact:	None.
Explosion – sensitivity to static discharge:	None.
Firefighting procedures:	Use self-contained breathing apparatus (SCBA) when exposed to confined or enclosed fires.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Spills/Leaks: Vacuum spill or sweep up material into a suitable disposal container. Wash surface with water. Avoid high pressure rinsing. Maintain good housekeeping practices. No special disposal method required, except in accordance with current local, state/provincial and federal regulations.

SECTION VII – HANDLING & STORAGE

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.
Storage:	Cool/dry conditions recommended. Containers should be kept sealed and dry.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	Protective mask with an assigned protection factor of at least 20 should be worn in conditions of excessive dusting.
Eye contact:	Safety glasses/goggles recommended
Clothing:	Wear rubber or vinyl gloves.
Specific engineering controls:	None.
Environmental exposure control	None.

SECTION IX – PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Solid (powder).
Appearance:	Fine to granular, ivory to beige powder.
Odor:	Yeasty smell
Odor threshold:	Not applicable.
Specific gravity:	No data available.
Vapour pressure:	Not applicable.
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
Boiling point:	Not applicable.
Freezing point:	Not applicable.
Melting point:	Mixture.
pH:	No data available.
Partition coefficient:	Not applicable.
Viscosity:	Not applicable.
Solubility in water:	Partially soluble.
Explosive properties	Not applicable
Oxidising properties	Not applicable

SECTION X – STABILITY AND REACTIVITY

Stability:	Non-reactive (stable under normal conditions of use)
Incompatibility:	No hazardous incompatibilities. Moisture and high temperatures are detrimental to microbial concentration of product.
Conditions to avoid:	Avoid high humidity.
Materials to avoid	None
Hazardous decomposition products:	None.
Hazardous polymerization:	None.

SECTION XI – TOXICOLOGICAL INFORMATION

Product recognized as safe.	
Effects of short-term exposure:	None.
Effects of long-term exposure:	None.
Irritancy:	Unknown.
Sensitization:	Possible allergic sensitization (see Section II).
Allergy:	Yeast product
Carcinogenicity:	Not listed as a carcinogen or potential by the NTP, IARC Monographs or OSHA
Reproductive toxicity:	Unknown
Teratogenicity:	Unknown
Mutagenicity:	Unknown
Toxicologically synergistic products:	Unknown

SECTION XII – ECOLOGICAL INFORMATION

Adopt good working practices so that the product is not released into the environment
No ecological information is available.

SECTION XIII – DISPOSAL CONSIDERATIONS

No special disposal method required, except that it be in accordance with current local authority regulations.

SECTION XIV – TRANSPORT INFORMATION

Not a DOT controlled material

SECTION XV – REGULATORY INFORMATION

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 <i>Controlled Products Regulations</i> 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.
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SECTION XVI – OTHER INFORMATION

Date of Preparation: October 2011, Reviewed January 2013

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