

SECTION I - PRODUCT & COMPANY IDENTIFICATION

Product name: DistilaMax GW
 Product code: 6478-30
 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 *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 XVI – OTHER INFORMATION

Date of Preparation: October 2011, Reviewed January 2013

The information herein is based on current available data and is believed to be correct. No warranty, express or implied, is made regarding data accuracy, merchantability or hazards associated with product use. The user is responsible for determining product suitability, conditions of use and all associated hazards. Values listed in this document are not product specifications.