

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT & COMPANY IDENTIFICATION

Product name: REDULESS
Product code: 30833-08- 27

Description: Yeast nutrients, powder.
Product use: Food ingredient for oenology

Manufacturer Lallemand Inc, 1620 Prefontaine, Montreal, QUEBEC, Canada, H1W 2N8.

Person responsible for marketing within

the community:

Danstar Ferment A.G., Bahnhofstrasse, 7,C.P. 445CH 6301 Zug, Switzerland.

Person responsible for MSDS preparation: Lallemand Oenology.

Information telephone: + 33 5 62 74 55 55 Emergency telephone (toll free): + 33 5 62 74 55 55

Date of MSDS preparation: Juin 2009

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 powder could lead to intestinal discomfort (e.g. diarrhea, bloating, cramping, etc.).

SECTION III – DATA ON COMPONENTS

Product composition: Inactivated yeast and bentonite.

Microbial concentration: None Hazardous ingredients: None

Information on components:

Name	CAS#	% by Wt	LD ₅₀ & LC ₅₀	OSHA PEL	ACGIH TLV
Inactivated Saccharomyces cerevisiae	NA		Not established	Not established	Not established
Bentonite	1302-78-9	< 20	Not established	Not established	Not established
Copper	NA		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.

Skin contact: Wash affected area with soap and water.

Inhalation: Immediately remove person to fresh air.

Ingestion: Drink plenty of water.

Medical conditions likely to be aggravated by exposure:

Asthma

Delayed effect that can be expected after exposure: No data available.

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SECTION V - FIRE FIGHTING MEASURES

Conditions of flammability: Unknown.

Extinguishing media: Water, foam, carbon dioxide, dry powder.

Flash point:

Flammable limits:

Auto-ignition temperature:

Not applicable

Not applicable.

No data available.

Hazardous combustion products:

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

In case material 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. Biodegradable, may be discharged into sewer. No special disposal method required, except that it be 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: Refrigerated and 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: Protective glasses should be worn in conditions of excessive dusting. If eye contact

occurs, rinse with water.

Clothing: Suitable protective clothing. Follow current Good Manufacturing Practices when handling

food or dietary supplement ingredients and materials.

Specific engineering controls: None.

Environmental exposure control None.

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Microbial concentration: None.

Physical state: Solid (powder).

Appearance: Fine to granular, ivory to beige powder.

Mild savoury odour. Odour: Not applicable. Odour threshold: No data available. Specific gravity: Not applicable. Vapour pressure: Not applicable. Vapour density: Evaporation rate: Not applicable. Boiling point: Not applicable. Not applicable. Freezing point: 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

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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
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: None.

Carcinogenicity: No listed as a carcinogen or potential by the NTP, IARC Monographs or OSHA

Reproductive toxicity:
Teratogenicity:
Mutagenicity:
Unknown
Unknown
Toxicologically synergistic products:
Unknown
Unknown

SECTION XII – ECOLOGICAL INFORMATION

Adopt good working practices so that the product is not released into the environment

No ecological information is available. The substance is unlikely to have a significant effect on the environment.

SECTION XIII - DISPOSAL CONSIDERATIONS

Product can be removed and disposed of in regular trash or waste. No special disposal method required, except that it be in accordance with current local authority regulations.

SECTION XIV – TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

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.

This preparation contains one Xn R22 ingredient in less of 25% total weight.

SECTION XVI – OTHER INFORMATION

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.

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