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MATERIAL SAFETY DATA SHEET

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MANUFACTURER

Varied Industries Corporation
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IDENTIFICATION

Celmanax[®] is Processed grain by-products, yeast extract, yeast culture, FD&C Blue #1.

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HAZARDOUS INGREDIENTS

N/A

This compound is not considered a carcinogen by the National Toxicology Program, International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

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PHYSICAL DATA

Melting Point - Mp °F not applicable

Boiling Point - Bp °F not applicable

Evaporation data not applicable

Water solubility - slight

Appearance and odor: A light green grainy mixture. A mild yeast odor.

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FIRE AND EXPLOSION DATA

Flash Point: Not applicable Avoid Temperatures above 392°F (200°C)

Ignition temperature: Not applicable

Flammable limits: Not applicable

As with any grain product, this material will burn if exposed to extreme temperatures. No uniquely hazardous products are expected, but on burning, this material will produce carbon monoxide, carbon dioxide, nitrous oxides, water and smoke or soot.

Extinguishing media: Chemical Powder, Carbon Dioxide

Chemical foam or water fog

No unusual fire or explosion hazard.

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HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE Possible allergic response or irritation in affected individuals to skin contact, eye contact, or inhalation of dust from product.

In case of eye contact, flush with lukewarm water. See physician if irritation persists.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE Individuals with known allergies, particularly to feedstuffs, as well as those individuals with asthmatic conditions should avoid contact with dusty conditions.

PRIMARY ROUTES OF ENTRY Ingestion and inhalation, no appreciable entry known through intact skin, although irritation possible.

No specific information is available concerning chronic effects of exposure.

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EMERGENCY AND FIRST AID PROCEDURES

INGESTION: In case of ingestion, rinse mouth/throat with water. Not considered toxic. If allergic reaction occurs, seek immediate medical attention.

SKIN: In case of skin contact, wash affected area of skin thoroughly with soap and water. If skin irritation occurs after washing, seek medical attention.

INHALATION: In case of inhalation, remove from area of exposure, if allergic symptoms occur within 0-48 hours, seek medical attention.

EYES: If eye contact occurs, rinse thoroughly with water, lifting upper and lower eyelids. If irritation persists seek medical attention.

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WARNING STATEMENTS

CAUTION: MAY CAUSE SKIN OR EYE IRRITATION. STORE IN COOL, DRY PLACE. AVOID CONTACT WITH EYES, SKIN, CLOTHING, AND EXCESSIVE INHALATION. WASH HANDS, CLOTHING, AND EQUIPMENT AFTER USE.

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REACTIVITY DATA

Stable under normal temperatures and pressure.

Do not mix with strong acids or oxidizing agents. Oxidizing agents can cause fire in an enclosed space. Examples of oxidizing agents are: Hypochlorides (bleach), Chlorinated isocyanurates, and hydrochloric acid, acetic acid and other mineral acids.

Decomposition: If burned, the product will release acrid smoke and irritating fumes as well as oxides of nitrogen, carbon dioxide and other products of combustion such as soot and/or carbon monoxide. Do not burn.

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SPILL, LEAK, AND DISPOSAL INFORMATION

Spill or Leakage Procedures - Wear suitable clothing. Sweep up bulk material without releasing dust and reuse wherever possible: when contaminated or unusable, dispose of by landfilling.

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SAFE HANDLING AND USE INFORMATION

Permissible Concentrations: Not established

Respiratory Protection: Wear suitable NIOSH approved dust masks or respiratory protector where local ventilation exhaust is not available or dusty situations are likely to occur.

Ventilation: Local ventilation required to prevent ambient air entrainment of fugitive aerosol material.

OTHER PROTECTIVE EQUIPMENT: Eye wash facility

Storage and Handling: Maintain good housekeeping, avoid creating aerosols. Keep out of direct sunlight and in cool dry place as deterioration of product and loss of activity may occur under above conditions.

Eye Protection: ANSI approved chemical goggles.

Skin Protection: Long sleeved shirt, trousers, safety shoes, and impervious gloves.

Hygienic Practices: Wash hands after handling, as well as any other affected skin areas. Avoid contact with food or food preparatory surfaces. If this occurs, wash the area thoroughly with suitable detergent and water. Remove and wash contaminated clothing.

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SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING - Maintain good housekeeping, avoid creating aerosols. For maintenance of product quality, store in dry, cool (under 110°F) warehouse conditions.

Keep out of reach of children.

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