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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

UREASE ACTIVE MEAL

MSDS CAS: 9002-13-5

According to Regulation (EC) No. 1907/2006
Issue date: 15-12-2023 Revision date: 15-12-2023

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: UREASE ACTIVE MEAL (Jack Bean meal)
CAS NO: 9002-13-5
Synonym: Jack Bean Meal.
Chemical Name: Not applicable.
Chemical Formula: Not applicable.
Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
UREASE ACTIVE MEAL	9002-13-5	<100%

Section 3: Hazards Identification

Toxicological Data on Ingredients: **Not applicable.**

Potential Acute Health Effects:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).

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.

Section 4: First Aid Measures

Eye Contact: **No known effect on eye contact, rinse with water for a few minutes.**

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: **Not available.**

Inhalation: **Allow the victim to rest in a well ventilated area. Seek immediate medical attention.**

Serious Inhalation: **Not available.**

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: **Not available.**

Section 5: Fire and Explosion Data

Flammability of the Product: **May be combustible at high temperature.**
Auto-Ignition Temperature: **Not available.**

Section 5: Fire and Explosion Data (Continued)

Flash Points: Not available.
Flammable Limits: Not available.
Products of Combustion: Not available.
Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
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. Slightly explosive to explosive in presence of oxidizing materials.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.
Special Remarks on Explosion Hazards: Not available.

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. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If you feel unwell, seek medical attention and show the label when possible.

Section 7: Handling and Storage (Continued)

Storage:

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

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. Be sure to use an approved/certified respirator or equivalent. Gloves.

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	**: Solid.**
Odor	**: Not available.**
Taste	**: Not available.**
Molecular Weight	**: Not available.**
Color	**: Light brown powder.**
pH	**: Not available.**
Boiling Point	**: Not available.**
Melting Point	**: Decomposes.**
Critical Temperature	**: Not available.**
Specific Gravity	**: Not available.**
Vapor Pressure	**: Not applicable.**

Section 9: Physical and Chemical Properties (Continued)

Vapor Density	**: Not available.**
Volatility	**: Not available**
Odor Threshold	**: Not available.**
Water/Oil Dist. Coeff.	**: Not available.**
Ionicity (in Water)	**: Not available.**
Dispersion Properties	**: Not available.**
Solubility	**: Water: Soluble in water.**

Section 10: Stability and Reactivity Data

Stability: **The product is stable.**
Instability Temperature: **Not available.**
Conditions of Instability: **Not available.**
Incompatibility with various substances: **Not available.**
Corrosivity: **Non-corrosive in presence of glass.**
Special Remarks on Reactivity: **Not available.**
Special Remarks on Corrosivity: **Not available.**
Polymerization: **No.**

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

LD50 Intraperitoneal - Mouse - 50 mg/kg(Urease)
Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation. Drowsiness Kidney, Ureter, Bladder:Urine volume increased. LD50 Intraperitoneal - Guinea pig - 35 mg/kg(Urease)
Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation. Drowsiness Kidney, Ureter, Bladder:Urine volume increased. LD50 Intraperitoneal - Rabbit - 25 mg/kg(Urease)
Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation. Drowsiness Kidney, Ureter, Bladder:Urine volume increased. LD50 Intraperitoneal - Rat - 48 mg/kg(Urease)
Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation. Drowsiness Kidney, Ureter, Bladder:Urine volume increased. LD50 Intravenous - Rabbit - 6 mg/kg(Urease)
Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Convulsions or effect on seizure threshold. Lungs, Thorax, or Respiration:Dyspnea.
LD50 Intravenous - Rat - 20 mg/kg(Urease)
Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Convulsions or effect on seizure threshold.
LD50 Subcutaneous - Mouse - 58 mg/kg(Urease)

Section 11: Toxicological Information (Continued)

Skin corrosion/irritation
No data available (Urease)

Serious eye damage/eye irritation
No data available (Urease)

Respiratory or skin sensitisation
Germ cell mutagenicity
No data available (Urease)

Carcinogenicity
IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
No data available (Urease)

Specific target organ toxicity - single exposure
May cause respiratory irritation. (Urease)

Specific target organ toxicity - repeated exposure
No data available.

Aspiration hazard
No data available (Urease)

Additional Information
RTECS: Not available
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Urease)

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: The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

Land transport (ADR-RID)
General information: **Not regulated.**

Sea transport (IMDG) [English only]
General information: **Not regulated.**

Air transport (ICAO-IATA) [English only]
General information: **Not regulated**

Section 15: Other Regulatory Information

Federal and State Regulations: **TSCA 8(b) inventory: Urease**
Other Regulations: **Not available.**

Other Classifications:
WHMIS (Canada): **Not controlled under WHMIS (Canada).**
DSCL (EEC): **This product is not classified according to the EU regulations.**

HMIS (U.S.A.):
Health Hazard: 1
Fire Hazard: 1
Reactivity: 0
Personal Protection: E

National Fire Protection Association (U.S.A.):
Health: 1
Flammability: 1
Reactivity: 0
Specific hazard:

Section 15: Other Regulatory Information (Continued)

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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