

## JACK BEAN MEAL (Uric Acid Activator)

### SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

**Product Name:** JACK BEAN MEAL (Uric Acid Activator)

**Product Code:** 1933

**CAS#:** 9002-13-5

**Synonym:** Urease from Jack Bean; Jack Bean Urease; Urease from Canavalia ensiformis (Jack Bean)

**Chemical Formula:** Not available

**Formula Weight:** Not available

### SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

**Composition:**

**Name:** Jack Bean Meal (Uric Acid Activator)

**Toxicological Data on Ingredients:** Not available

### SECTION 3: HAZARDS IDENTIFICATION

**Potential Acute Health Effects:** Slightly hazardous in case of eye contact (irritant)

**Potential Chronic Health Effects:**

**CARCINOGENIC EFFECTS:** Not available

**MUTAGENIC EFFECTS:** Not available

**TERATOGENIC EFFECTS:** Not available

**DEVELOPMENTAL TOXICITY:** Not available

### SECTION 4: FIRST AID MEASURES

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. WARM water MUST be used. Get medical attention if irritation occurs.

**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Serious Skin Contact:** Not available

**Serious Inhalation:** Not available

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**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.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Products of Combustion:** Not available

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks.

**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 applicable.

### **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. Ground all equipment containing material. Do not breathe dust.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area

### **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**

<b>Appearance Form</b>	: Solid, powder
<b>Colour</b>	: White to creamish.
<b>Odour</b>	: Not available
<b>Odour Threshold</b>	: Not available
<b>pH</b>	: Not available
<b>Melting point/freezing point</b>	: Not available
<b>Initial boiling point and boiling range</b>	: Not available
<b>Flash point</b>	: Not available
<b>Evaporation rate</b>	: Not available
<b>Flammability (solid, gas)</b>	: Not available
<b>Upper/lower flammability or explosive limits</b>	: Not available
<b>Vapour pressure</b>	: Not available
<b>Vapour density</b>	: Not available
<b>Relative density</b>	: Not available
<b>Water solubility</b>	: Not available
<b>Partition coefficient</b>	: Not available
<b>Solubility</b>	: Partially soluble in water

### **SECTION 10: STABILITY AND REACTIVITY DATA**

**Stability:** The product is stable.

**Instability Temperature:** Not available.



**Conditions of Instability:** Excess heat, incompatible materials.  
**Incompatibility with various substances:** Reactive with oxidizing agents.  
**Corrosivity:** Not applicable  
**Special Remarks on Reactivity:** Not available.  
**Special Remarks on Corrosivity:** Not available.  
**Polymerization:** Will not occur

### SECTION 11: TOXICOLOGICAL INFORMATION

**Toxicity to Animals:**  
**LD50:** Not available  
**LC50:** Not available  
**Chronic Effects on Humans:** Not available  
**Special Remarks on Toxicity to Animals:** Not available  
**Special Remarks on Chronic Effects on Humans:** Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.  
**Special Remarks on other Toxic Effects on Humans:**  
Potential Health Effects: No acute exposure studies were found for JACK BEAN MEAL (URIC ACID ACTIVATOR) in humans. The dust is predicted to be irritating to the eyes, skin, and respiratory tract from mechanical action

### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Not available.  
**BOD5 and COD:** Not available..  
**Toxicity of the Products of Biodegradation:** Not available.  
**Special Remarks on the Products of Biodegradation:** Not available

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:**  
Waste must be disposed of in accordance with federal, state and local environmental control regulation.

### SECTION 14: TRANSPORT INFORMATION

**Dot Classification:** Not a DOT controlled material (United States)  
**Identification:** Not applicable.  
**Special provision for Transport:** Not applicable.

### 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).  
**DSD (EEC):**  
This product is not classified according to the EU regulations. Not applicable.  
**HMIS (U.S.A.):**  
**Health Hazard:** 1  
**Fire Hazard:** 1  
**Reactivity:** 0  
**Personal Protection:** E  
**National Fire Protection Association (U.S.A.):**



**SECTION 16: OTHER INFORMATION**

**References: Full text of H AND R-Statements.**

Not Applicable.

**Other Special Considerations:** Not available

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