

# Material Safety Data Sheet

**Product Name:** SO-FAST® LIQUID INOCULANT FOR PEAS & LENTILS  
**Product Code:** 2004010A Fertilizers Act

**HMIS Codes:** H F R P  
1 1 0 X

## Section I – Manufacturer Identification

**Manufactured for:** Loveland Products, Inc. **Address:** P.O. Box 1286, Greeley, CO 80632-1286  
**Distributed by:** United Agri Products Canada, Inc. **Address:** 789 Donnybrook Drive, Dorchester, ON N0L1G5  
**24-Hour Emergency Phone:** (800) 561-8273 or Chemtrec (800) 424-9300 **Medical Emergencies (Prosar):** (800) 301-7976  
**Prepared By:** Registrations and Regulatory Affairs **Date Revised:** December 3, 2007

## Section II – Ingredients and Hazards

### Ingredients Occupational Exposure Limits

Component	CAS Number	OSHA PEL	ACGIH TLV	Weight Percent
Rhizobial cells in liquid growth medium	Mixture	NE	NE	100%

\*\*\*No reportable quantities of hazardous ingredients are present\*\*\*

\*\*\*No reportable quantities of toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III and of 40 CFR 372 are present\*\*\*

## Section III - Physical/Chemical Characteristics

**Melting Point:** NA **Specific Gravity: (H<sub>2</sub>O = 1):** NA  
**Vapor Density:** NA **Evaporation Rate:** NA  
**Solubility In Water:** NA **Appearance and Odor:** Medium golden brown, slight odor.

## Section IV - Fire and Explosion Hazard Data:

**Flash Point:** >200°F **Method Used:** NA  
**Flammable Limits in Air by Volume:** NA **Lower:** NA **Upper:** NA  
**Extinguishing Media:** Water spray, class A extinguisher.  
**Fire Fighting Precautions & Hazards:** Fire fighters should wear butyl rubber boots, gloves, and body suit and a NIOSH/MSHA self-contained breathing apparatus.  
**Unusual Fire and Explosion Hazards:** Not a fire or explosion hazard when stored under normal conditions.

## Section V – Reactivity Data

**Stability:** Stable  
**Conditions to Avoid:** Extremes in temperature. High humidity.  
**Incompatibility (Materials to Avoid):** Long term storage in direct contact with reactive metals such as aluminum, zinc, copper, nickel, magnesium, etc. Other materials to avoid include strong oxidizing agents.  
**Hazardous Decomposition Products:** When involved in a fire, burning may evolve noxious fumes which may include carbon monoxide, carbon dioxide, nitrous oxides, acetic acid, or other toxic compounds depending on the chemical composition and combustion conditions.  
**Hazardous Polymerization:** Will not occur.

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## Section VI - Health Hazard Data

**Inhalation Health Risks and Symptoms of Exposure:** Prolonged inhalation may lead to respiratory tract irritation.

**Skin and Eye Contact Health Risks and Symptoms of Exposure:** Prolonged or repeated contact may result in mechanical irritation.

**Skin Absorption Health risks and Symptoms of Exposure:** None expected.

**Ingestion Health Risks and Symptoms of Exposure:** Ingestion of large quantities may be harmful.

**Health Hazards (acute and chronic):** None known.

**Carcinogenicity NTP?** No **IARC Monographs?** No

**Existing Medical Conditions Generally Aggravated By Exposure:** May provoke asthmatic response in persons with asthma who are sensitive to airway irritants.

### Emergency and First Aid Procedures:

**Eyes:** Flush with flowing water for at least 15 minutes. Call a physician.

**Skin:** Wash affected area with soap and water. If irritation develops consult a physician. Remove and launder contaminated clothing before reuse.

**Inhalation:** If difficulty in breathing occurs, move to fresh air. Get immediate medical attention.

**Ingestion:** Get immediate medical attention. Unless advised otherwise, dilute with water or milk.

## Section VII – Precautions for Safe Handling and Use

**Steps to be Taken in Case Material is Released or Spilled:** Contain the spill to prevent a large discharge to surface streams or storm sewers. Scoop up material and place recovered product in a closable container.

**Waste Disposal Method:** Disposal must be made in accordance with federal, state, and local regulations applicable to the disposal of non-toxic organic materials.

**Precautions to be Taken in Handling and Storing:** Local exhaust. Store in a cool (39-50°F), dry area. Do not freeze. Avoid unnecessary skin and eye contact. Do not breathe fumes.

**Other Precautions:** Eye wash fountains should be easily accessible. As with all chemicals, keep out of the reach of children. Do not feed to animals.

## Section VIII - Control Measures

**Respiratory:** If excessive dust is present, wear NIOSH/MSHA approved respirator.

**Ventilation:** Local exhaust or containment.

**Clothing:** Gloves, coveralls, apron, boots as necessary to prevent skin contact as needed.

**Eye:** Safety glasses are recommended.

**Other:** Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risks. Clean clothing should be worn daily to avoid possible long-term build up of the product leading to chronic overexposure.

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## Section IX - Shipping and Labeling Information

D.O.T. Shipping Data: Not regulated.

D.O.T. Hazard Classification NA

D.O.T. Labels Required: NA

D.O.T. Identification NA

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## Section X - Disclaimer

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