



## 1. IDENTIFICATION

**Product name:** BYSI-N Liquid Inoculant

**Product use:** Soybean seed inoculant

**Supplier:** Lallemand Plant Care, a business unit of Lallemand Specialties, Inc.

6120 West Douglas Avenue  
Milwaukee, Wisconsin  
53218  
United States

**Emergency phone number:** 414-464-6440

## 2. HAZARD IDENTIFICATION

This material is not a physical, health or environmental hazard.

There are no known health effects caused by the bacteria contained in this product when used according to the labeled instructions.

### Potential health effects:

**Eyes:** Short term harmful effects are not expected. Prolonged contact may cause eye irritation.

**Skin:** Not likely a hazard. Prolonged contact may cause irritation. Do not expose open cuts or wounds to the product.

**Inhalation:** Short term harmful effects are not expected. Prolonged inhalation may lead to respiratory tract irritation.

**Ingestion:** Not likely a hazard. Ingestion of large quantities may be harmful.

## 3. COMPOSITION/INGREDIENT INFORMATION

Contains naturally-occurring *Rhizobium japonicum*.

Contains no hazardous ingredients.

## 4. FIRST-AID MEASURES

**Eye Contact First Aid:** Flush immediately with plenty of water for at least 15 minutes while holding eyelids open to assure complete irrigation of eye and lid tissue. If irritation occurs or persists seek medical attention.

**Skin Contact First Aid:** Wash with plenty of soap and water. If irritation occurs or persists seek medical attention. Remove contaminated clothing and launder before reuse.

**Inhalation First Aid:** Move individual to fresh air. Seek medical attention if breathing difficulty develops.

**Ingestion First Aid:** Do not induce vomiting unless instructed to do so by qualified medical personnel.

Unless advised otherwise dilute by drinking plenty of water. Seek medical attention if discomfort develops.

## 5. FIRE-FIGHTING MEASURES

**Flashpoint:** None

**Auto-ignition Temperature:** Not determined

**Explosive limits:** LEL: not applicable  
UEL: not applicable

**Extinguishing Media:** Use media suitable for surrounding fire

**Unusual Fire or Explosion hazards:** None known

**Fire Fighting Instructions:** No special requirements

## 6. ACCIDENTAL RELEASE MEASURE

**Large Spill:** Contain Spill and recover for disposal

**Small Spill:** Spilled liquid may cause slippery residue on hard floors. Flush spill area with water to wash away and slippery residue.

## 7. HANDLING AND STORAGE

**Storage:** Store in original container in a cool, well-ventilated, dry area at temperature between 4°C and 25°C (40°F and 77°F).

**Handling:** Avoid contact with eyes. Do not wear contact lenses while handling this product. Use in well ventilated areas. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapors. Avoid prolonged or repeated contact with skin.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved respirator. Special ventilation is not required for normal handling and use of this product when following the label requirements.

**Skin Protection:** Neoprene rubber gloves and apron should be worn to prevent repeated or prolonged contact with the liquid.

**Eye Protection:** Use safety goggles. DO NOT WEAR CONTACT LENSES.

**Note:** After handling product practice general hygiene. Wash hands and face with soap and water before smoking, drinking or eating.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Light brown, translucent viscous liquid

**Odor:** Mild

**Vapor Pressure:** Not available

**Vapor Density:** Not available

**Solubility in water:** Soluble

**Specific gravity:** 1.0 g/cc

**Melting point:** Not available

**PH:** 6 to 8

**Volatility:** Not available

**Color:** Light brown liquid

**Freezing point:** -4°C (24°F)

**Boiling point:** 102°C (215°F)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition Products:** Oxides of Carbon

**Incompatibility:** Some fungicides/chemicals may be harmful to bacteria in this product. Please see product label for further information.

## 11. TOXICOLOGY INFORMATION

**Oral:** May cause stomach irritation.

**Dermal:** Not expected but may cause irritation.

**Inhalation:** Not expect but inhalation may cause airway irritation.

**Eyes:** May cause eye irritation

## 12. ECOLOGICAL INFORMATION

This product contains naturally-occurring soil bacteria.

## 13. DISPOSAL CONSIDERATIONS

Dispose of unused product and waste effluents in accordance with provincial/state and local waste disposal regulations. Chemical additions or other alterations of this product may invalidate any disposal information in this safety data sheet. Consult local waste regulators for proper disposal.

## 14. TRANSPORT INFORMATION

This product is not regulated as a hazardous material for transportation within US and Canada by any means of transportation

## 15. REGULATORY INFORMATION

The information provided in this Material Safety Data Sheet has been compiled in good faith and is believed to be accurate. No warranty expressed or implied regarding the completeness or continuing accuracy of the information contained herein, and Lallemand disclaims all liability

for reliance thereon. It is user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary to comply with all Federal, Provincial or State and Local laws and regulations.

## 16. OTHER INFORMATION

**Disclaimer:** The information, data and recommendations contained in this SDS are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date of revision. The SDS serves as description of the products in regard to necessary safety measures. No warranty, expressed or implied, regarding the product described in this SDS shall be created or inferred by any statement in this SDS.