Revision date: 2023/03/14

Version No: 3

Compliant with 29 CFR §1910.1200 HCS 2012

Compliant with HPR WHMIS 2015

# Cell-Tech® liquid nitrogen-fixing inoculant for pea and lentil

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Cell-Tech® liquid nitrogen-fixing inoculant for pea and lentil

Chemical Name. Microbial preparation

Use of the substance/preparation Fertilizer

Contact Manufacturer Novozymes BioAg Limited

3935 Thatcher Ave Saskatoon, SK S7R 1A3

Canada

Information Telephone Number 1-888-744-5662

Available 24 hours a day 7 days a week from April 1st to June 15th, otherwise available from 8:00am to 4:30pm CST, Monday to Friday

Emergency Telephone Number 1-800-424-9300 (Chemtrec) 24 hours every day

### 2. HAZARDS IDENTIFICATION

Classification

Classification of the chemical in accordance with 29CFR §1910.1200

WHMIS Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label elements

Hazards not otherwise classified (HNOC) Not Applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash off immediately with soap and plenty of water.

Inhalation Move to fresh air.

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Ingestion Clean mouth with water and afterwards drink plenty of water.

Notes to Physician Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

Flammable Properties Slightly flammable according to HMIS criteria.

Suitable Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media None.

Hazardous Combustion Products None.

Specific Hazards Arising from the Chemical May cause allergic respiratory reaction.

Protective Equipment and Precautions for Self-contained breathing apparatus and standard turn-out apparel.

Firefighters

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions For personal protection see section 8.

Environmental Precautions Collect spillage.

Methods for cleaning up Avoid formation of dust and aerosols.

Spilled preparation should be removed immediately to avoid formation of dust from dried preparation. Take up by mechanical means preferably by a vacuum cleaner equipped with a HEPA (High Efficiency Particulate Air) filter. Flush remainder carefully with plenty of water. Avoid splashing, high pressure washing or compressed air cleaning to avoid formation of aerosols. Ensure sufficient ventilation. Wash

contaminated clothing.

Other Information For personal protection see section 8.

7. HANDLING AND STORAGE

Handling Avoid formation of dust and aerosols.

Ensure adequate ventilation

Storage Keep tightly closed in a dry and cool place. Store under cool conditions, away from sunlight and

direct heat sources. Minimize temperature fluctuations. Avoid freeze/thaw cycles.

Temperature 0-30°C (32-86°F).

Storage Conditions

In unbroken packaging - dry and protect from the sun. The product has been formulated for optimal stability. Extended storage or adverse conditions such as higher temperatures or higher humidity may

lead to a higher dosage requirement.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Occupational exposure controls

Ensure adequate ventilation, especially in confined areas **Engineering Controls** 

Maintain good conditions of industrial hygiene. Some processes may require enclosures, local exhaust

ventilation, or other engineering controls to control airborne levels. Additional handling and

healthy/safety information is available upon request

Personal Protective Equipment

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment that meets HEPA/P100

specifications

Eye Protection Wear safety glasses with side shields (or goggles) Skin and body protection No special technical protective measures are necessary

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Liquid Color Opaque

Odor Slight fermentation odor Odor treshold No information available

No information available Boiling Point/Range

Melting Point/Range No information available

Flash Point > 100 °C

Freezing point 1 No information available Flammability (solid, gas) No information available **Explosive Properties** No information available No information available Oxidizing Properties Autoignition temperature No information available Vapor Pressure No information available Decomposition temperature No information available Vapor Density No information available

Density (g/ml)

Evaporation rate No information available No information available Solubility Partition Coefficient (n-octanol/water) No information available Viscosity No data available

# 10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions

Conditions to Avoid

None

Materials to avoid

None

**Hazardous Decomposition Products** 

Possibility of hazardous reactions

None

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### 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
This product has no known adverse effect on human health.

### 12. ECOLOGICAL INFORMATION

Toxicity

Contains no hazardous ingredients according to GHS

Persistence/Degradability no data available

Bioaccumulative Potential Bioaccumulation is unlikely

Mobility in soil Not relevant

### 13. DISPOSAL CONSIDERATIONS

Disposal of wastes

Dispose of in accordance with local regulations.

Contaminated Packaging

Dispose of wastes in an approved waste disposal facility.

# 14. TRANSPORT INFORMATION

Transport Regulations Not regulated as Dangerous goods by DOT and TDG. No special precautions required

Transport hazard class(es) not applicable

Packing group not applicable

Environmental hazards

not applicable

# 15. REGULATORY INFORMATION

USA, Federal Regulations

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TSCA Inventory

All ingredients are listed on TSCA inventory

**SARA 313** 

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and 40 CFR Part 372.

## SARA 311/312 Hazardous Categorization

Acute health hazard Chronic Health Hazard Nο Fire hazard No Sudden Release of Pressure Hazard No Reactive Hazard Nο

USA, State Regulations California Proposition 65

This product does not contain any intentionally added Proposition 65 chemicals.

### Canada

DSL/NDSL

Does not Comply

WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by WHMIS 2015.

### 16. OTHER INFORMATION

Training advice Contact Novozymes Customer Support Centre.

**GHS-Classification** The GHS calculation method has been used for classification of this mixture.

The information provided on this SDS is correct to the best of our knowledge, information and belief at Disclaimer

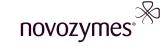
the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Furthermore, as the conditions of use are beyond the control of Novozymes, it is the

responsibility of the customer to determine the conditions of safe use of these products.

End of Safety Data Sheet

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End of Safety Data Sheet



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