



**ACTIVE**  
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#209 - 31136 Peardonville Rd,  
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[activeagriscience.com](http://activeagriscience.com)

## MATERIAL SAFETY DATA SHEET

| SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION  |   |  |                             |                                |                      |                            |              |
|--|---|--|-----------------------------|--------------------------------|----------------------|----------------------------|--------------|
| <b>PRODUCT IDENTIFIER</b>  |   | <b>N-RHIZO PULSE</b>                         |                             |                                |                      |                            |              |
| <b>PRODUCT USE</b>   |   | Rhizobium leguminosarum pea/lentil inoculant |                             | <b>USE RESTRICTIONS</b>        |                      | Use only as labeled        |              |
| <b>MANUFACTURERS NAME</b>  |   |  |                             | <b>DISTRIBUTORS NAME</b>       |                      |                            |              |
| Active AgriScience Inc.  |   |  |                             |                                |                      |                            |              |
| <b>STREET ADDRESS</b>  |   |  |                             | <b>STREET ADDRESS</b>          |                      |                            |              |
| 209-31136 Peardonville Rd  |   |  |                             |                                |                      |                            |              |
| <b>CITY</b>  | Abbotsford  | <b>PROVINCE</b>                              | British Columbia,<br>Canada | <b>CITY</b>                    |                      | <b>PROVINCE</b>            |              |
| <b>POSTAL CODE</b>   | V2T 6K2   | <b>EMERGENCY TELEPHONE</b>                   | 855-400-0154                | <b>POSTAL CODE</b>             |                      | <b>EMERGENCY TELEPHONE</b> |              |
| <b>DATE</b>  | Feb 26, 2019  | <b>PREPARED BY</b>                           | Active AgriScience Inc.     |                                |                      | <b>PHONE NUMBER</b>        | 604-864-0154 |
| SECTION 2 – HAZARDS IDENTIFICATION   |   |  |                             |                                |                      |                            |              |
| <b>HAZARDS CLASSIFICATION:</b>   |   |  |                             |                                |                      |                            |              |
| WHMIS 2015   |   | Not a hazardous product                      |                             |                                |                      |                            |              |
| OSHA Hazard Communication Standard 2012  |   | Not a hazardous product                      |                             |                                |                      |                            |              |
| <b>HAZARD STATEMENTS</b>   |   |  |                             | <b>PRECATIONARY STATEMENTS</b> |                      |                            |              |
| Not applicable   |   |  |                             | Not applicable                 |                      |                            |              |
| SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS   |   |  |                             |                                |                      |                            |              |
| <b>HAZARDOUS INGREDIENTS</b>   |   | <b>CAS#</b>                                  |                             |                                | <b>CONCENTRATION</b> |                            |              |
| Contains no hazardous ingredients  |   | Not applicable                               |                             |                                | Not applicable       |                            |              |
| SECTION 4 – FIRST AID MEASURES   |   |  |                             |                                |                      |                            |              |
| <b>EYE CONTACT</b>   | IF IN EYES: Rinse cautiously with water for several minutes.              |  |                             |                                |                      |                            |              |
| <b>SKIN CONTACT</b>  | IF ON SKIN: wash with soap and water                                      |  |                             |                                |                      |                            |              |
| <b>INHALATION</b>  | IF INHALED: Remove person to fresh air and keep comfortable for breathing |  |                             |                                |                      |                            |              |
| <b>INGESTION</b>   | IF SWALLOWED: seek medical attention if you feel unwell                   |  |                             |                                |                      |                            |              |
| <b>INDICATION OF IMMEDIATE MEDICAL ATTENTION AND ANY SPECIAL TREATMENT NEEDED:</b> Treat Symptomatically |   |  |                             |                                |                      |                            |              |
| SECTION 5 – FIRE FIGHTING MEASURES   |   |  |                             |                                |                      |                            |              |
| <b>FLAMMABLE</b>   | Product will not burn or support combustion                               |  |                             |                                |                      |                            |              |



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|                                      |     |   |                                  |  |     |
|--------------------------------------|-----|---|----------------------------------|--|-----|
| <b>MEANS OF EXTINCTION</b>           |     | Use extinguishing methods appropriate for the surrounding fire. |                                  |  |     |
| <b>FLASHPOINT &amp; METHOD</b>       | NAP | <b>UPPER FLAMMABLE LIMIT</b>                                    | NAP                              | <b>LOWER FLAMMABILITY LIMIT</b>        | NAP |
| <b>AUTO IGNITION TEMPERATURE</b>     | NAP | <b>SENSITIVITY TO IMPACT</b>                                    | NAP                              | <b>SENSITIVITY TO STATIC DISCHARGE</b> | NAP |
| <b>HAZARDOUS COMBUSTION PRODUCTS</b> |     |   | Carbon monoxide, carbon dioxide. |  |     |

### **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

|                                    |   |
|------------------------------------|---|
| <b>LEAK &amp; SPILL PROCEDURES</b> | Wear personal protective equipment outlined in SECTION 8. Contain spill then adsorb with inert material and place into suitable clean containers for later disposal. Do not release into drains or the environment. |
|------------------------------------|---|

### **SECTION 7 – HANDLING AND STORAGE**

|                      |   |
|----------------------|---|
| <b>HANDLING</b>      | Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation when handling or applying this product. Wear personal protective equipment outlined in SECTION 8. Do not get in eyes, or on skin. Do not breathe mist/spray. Wash hands and exposed skin thoroughly after handling and before smoking, eating or using the toilet. |
| <b>STORAGE</b>       | Store unused product at 4-25°C away from direct sunlight, or heat sources. DO NOT FREEZE. Do not store or ship this product with food, or feed.   |
| <b>INCOMPATIBLES</b> | Rhizobia may be killed by acids, bases, oxidizers, reducers, disinfectants, fungicides, or biocides   |

### **SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION**

|                             |  |               |                           |
|-----------------------------|--|---------------|---------------------------|
| <b>EXPOSURE LIMITS</b>      | <b>ACGIH</b>   | <b>NIOSH</b>  | <b>OSHA – Final PEL's</b> |
|                             | Not available  | Not available | Not available             |
| <b>ENGINEERING CONTROLS</b> | Ensure adequate ventilation when handling this product |               |                           |

### **PERSONAL PROTECTIVE EQUIPMENT**

|                   |  |
|-------------------|--|
| <b>Skin</b>       | Wear water resistant rubber (latex, butyl or plastic (PVC) gloves when handling or applying this product. Use coveralls or long sleeved shirt & pants along with socks and shoes |
| <b>Eyes</b>       | Wear chemical goggles or safety glasses with side shields when handling or applying product  |
| <b>Respirator</b> | If respiratory irritation occurs, use an air purifying respirator  |



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#### **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

|                  |              |                     |        |                  |        |
|------------------|--------------|---------------------|--------|------------------|--------|
| PHYSICAL STATE   | Liquid       | APPEARANCE          | Opaque | COLOUR           | NAV    |
| SPECIFIC GRAVITY | 1            | BOILING POINT       | NAV    | FREEZING POINT   | NAV    |
| EVAPORATION RATE | NAV          | VISCOSITY           | NAV    | ODOUR            | Slight |
| PH               | 6.8±0.2@25°C | SOLUBILITY IN WATER | NAV    | ODOUR THRESHHOLD | NAV    |

#### **SECTION 10 – STABILITY AND REACTIVITY**

|                          |   |
|--------------------------|---|
| CHEMICAL STABILITY       | Stable under normal conditions of use and storage |
| HAZARDOUS POLYMERIZATION | Not available                                     |

#### **SECTION 11 – TOXICOLOGICAL INFORMATION**

|                       |               |
|-----------------------|---------------|
| ACUTE TOXICITY        | Not available |
| CHRONIC TOXICITY      | Not available |
| IRRITANCY OF PRODUCT  | Not available |
| SENSITIZATION         | Not available |
| CARCINOGENICITY       | Not available |
| REPRODUCTIVE TOXICITY | Not available |
| MUTAGENICITY          | Not available |

#### **SECTION 12 – ECOLOGICAL INFORMATION**

|             |   |
|-------------|---|
| ECOTOXICITY | No information available. Product is a non-pathogenic natural soil microorganism. |
|-------------|---|

#### **SECTION 13 – DISPOSAL CONSIDERATIONS**

|                |   |
|----------------|---|
| WASTE DISPOSAL | Dispose of unused product in accordance with Federal, State, provincial and local regulations |
|----------------|---|

#### **SECTION 14 – TRANSPORT INFORMATION**

|          |  |
|----------|--|
| SHIPPING | TDG: Not regulated for transport. DOT: Not regulated for transport |
|----------|--|



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#### **SECTION 15 – REGULATORY INFORMATION**

This SDS is prepared to comply with the Global Harmonized System of Chemical Classification and Labeling (GHS) and conforms to the requirements of the Hazard Products Act and Regulations (WHMIS 2015) and the OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### **SECTION 16 – OTHER INFORMATION**

To the best of our knowledge, the information contained herein is current and correct as of the date of this SDS, however, the information and recommendations are presented without warranty, representation or license of any kind, with respect to their accuracy, or completeness, and the seller, supplier and manufacturer (Supplier) of this material or their affiliates, disclaim all liability for reliance on such information and recommendations.

Final determination of the suitability of any material is the sole responsibility of the buyer or the user (recipient). All materials may present unknown hazards and should be used with caution. The recipient assumes all risk in connection with the use of this material and assumes all responsibility for ensuring the material is used in a safe manner in compliance with applicable environmental, and health and safety laws.

The supplier does not warrant the merchantability of this material or the fitness of the material for any particular use and assumes no responsibility for injury or damage caused directly or indirectly by the use of this material.