



# U.S.MICRO-BAC

## SAFETY DATA SHEET

### SECTION 1: Identification

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| <b>Product Identifier:</b> U.S.Micro-Bac  |
| <b>Manufacturer's Address:</b><br>Titasa USA LLC<br>3314 SOUTH BURNSIDE AVENUE GONZALES, LA, 70737. |
| <b>Manufacturer's Phone Number:</b><br>+1-225-828-7510  |
| <b>Emergency Phone Number:</b><br>911   |
| <b>Recommended Use:</b> As a fertilizer or soil amendment.  |

### SECTION 2: Hazard Identification

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| Acute Toxicity, Oral – Category 5  |  |
| <b>Signal Word:</b> Warning  |   |
| <b>Pictograms</b><br>  |   |
| <b>Hazard Statements</b><br>H303: May be harmful if swallowed.   |   |
| <b>Precautionary Statements</b><br>P102: Keep out of reach of children.<br>P103: Read label before use.<br>P332 + P313: If skin irritation occurs: Get medical advice/attention. |   |

### SECTION 3: Composition Information

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|--------------|------|
| Trade Secret | 100% |
| <b>Total</b> | 100% |

### SECTION 4: First-Aid Measures

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| <b>INHALATION:</b> Remove to fresh air immediately. If victim is not breathing, give artificial respiration. If symptoms develop, seek medical attention.                       |
| <b>SKIN CONTACT:</b> Flush skin thoroughly with clean water. If irritation occurs, seek medical attention.  |
| <b>EYE CONTACT:</b> Remove contact lenses. Flush affected eye(s) continuously for 15 minutes with clean water. If irritation or other symptoms develop, seek medical attention. |
| <b>INGESTION:</b> Drink plenty of water. Do not induce vomiting. Seek medical attention. <b>Never give anything by mouth to an unconscious/unresponsive person.</b>             |
| <b>Symptoms of Exposure</b><br>Skin contact may produce skin irritation. Eye contact may produce eye irritation. Ingestion may be harmful.                                      |
| <b>Recommendations for Immediate Medical Care</b>   |

Remove all residual material if possible. Product is likely to contain naturally-occurring microorganisms, so any exposed wounds or mucous membranes should be decontaminated appropriately.

#### SECTION 5: Fire-Fighting Measures

**Suitable Extinguishing Media:** Water spray, dry chemical, CO<sub>2</sub>, foam

**Specific Hazards Arising from this Substance:** Product is not flammable. Extreme heat may produce steam, which may present a burn hazard.

**Recommendations for Firefighter Protective Equipment:** Firefighters should wear self-contained breathing apparatus, operated in positive-pressure mode, as well as appropriate protective clothing.

#### SECTION 6: Accidental Release Measures

**Personal Precautions:** Wear gloves, work clothes, and eye protection.

**Emergency Procedures:** Non-essential personnel should be evacuated from spill area.

**Methods of Containment:** Contain spill with sand dike, sawdust, or physical barrier.

**Cleanup Procedures:** Spilled material may be mopped up or absorbed with a suitable absorbent. Collected liquid and used absorbent should be transferred to appropriate containers. It should be disposed of according to local, state, and federal regulations. It may be disposed of as organic waste.

#### SECTION 7: Handling and Storage

**Precautions for Safe Handling:** Protect open wounds from contact with product. Take precautions to minimize splashing.

**Conditions for Safe Storage, Including Incompatibilities:** Store indoors at ambient temperature. Store in original container. Keep away from children and pets. Store below 120°F where possible.

**Further Information:** Use good personal hygiene practices. This substance is made from natural products, and is likely to contain naturally-occurring microorganisms. Take proper precautions to avoid infection of open wounds, and eye irritation. Hygiene practices necessary to prevent health hazards from natural substances such as soil should be observed. After handling product, hands should be washed with soap and water before eating, drinking, smoking, or using toilet facilities.

#### SECTION 8: Exposure Controls / Personal Protection

| OSHA PEL | ACGIH | TLV | Other Exposure Limits |
|----------|-------|-----|-----------------------|
| NDA      | NDA   | NDA | NDA                   |

**Engineering Measures:** Store indoors at ambient temperature. Store only in original container.

**Eye Protection:** Safety glasses or safety goggles should be worn where eye exposure is likely.

**Hand Protection:** Any appropriate water-proof gloves.

**Skin and Body Protection:** Normal work clothing.

**Respiratory Protection:** None required.

**General Protective and Hygiene Practices:** Appropriate local ventilation, where required. Open wounds should be kept clean and protected. After handling material, wash hands before eating, drinking, smoking, or using restrooms. Keep away from foodstuffs and beverages.

#### SECTION 9: Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Dark-brown or black liquid.

**Odor:** Sulfurous. Earthy.

**Odor Threshold:** NDA

**pH:** NDA

**Melting/Freezing Point:** NDA

**Boiling Point/Range:** NDA

**Flash Point:** NDA

**Evaporation Rate:** NDA

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| <b>Flammability (solid, gas):</b> NDA  |
| <b>Flammability or explosive limits:</b><br><b>Upper:</b> NDA<br><b>Lower:</b> NDA |
| <b>Vapor Pressure:</b> NDA   |
| <b>Relative Density:</b> NDA   |
| <b>Solubility:</b> NDA   |
| <b>Partition coefficient; n-octanol/water:</b> NDA                                 |
| <b>Autoignition Temperature:</b> NDA   |
| <b>Decomposition Temperature:</b> NDA  |
| <b>Viscosity:</b> NDA  |

#### SECTION 10: Stability and Reactivity

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| <b>Reactivity:</b> Inert.   |
| <b>Stability:</b> Stable under normal conditions.   |
| <b>Conditions to Avoid:</b> Keep away from open flames, hot surfaces, and sources of ignition.                                  |
| <b>Incompatible Materials:</b> Strong acids, strong bases, strong oxidizers, strong reducing agents, water-sensitive materials. |
| <b>Hazardous Decomposition Products:</b> CO <sub>2</sub> (carbon dioxide). CO (carbon monoxide). Sulfur compounds.              |

#### SECTION 11: Toxicological Information

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| <b>Likely Routes of Exposure:</b> Possible routes of exposure include eye contact, skin contact, or ingestion. |
| <b>Effects of Exposure:</b> NDA  |
| <b>LD<sub>50</sub>:</b> NDA  |
| <b>Description of Symptoms:</b> NDA  |
| <b>NTP/IARC Carcinogenicity:</b> NDA   |

#### SECTION 12: Ecological Information

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| <b>Ecotoxicity:</b> NDA  |
| <b>Biodegradation:</b> Product is a natural material, and will biodegrade. |
| <b>Octanol-Water Partition Coefficient:</b> NDA                            |
| <b>Bioconcentration Factor:</b> NDA  |
| <b>Other Adverse Effects:</b> None.  |

#### SECTION 13: Disposal Considerations

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| For safe handling practices, see Section 8.  |
| <b>Disposal Containers:</b> Material should be disposed of in its original container, where possible. If original container is not available, material may be disposed of in any suitable waterproof closed-top container. |
| <b>Disposal Methods:</b> Material may be disposed of as organic waste, according to state, local, and federal laws.  |
| <b>Properties Affecting Disposal:</b> If material is treated with any chemical agents prior to disposal, the disposal guidelines in the treating chemical's Safety Data Sheet should be followed.                          |
| <b>Special Precautions for Landfill or Incinerator Disposal:</b> None.   |
| <b>Do not dispose of waste product in sewers, storm drains, lakes, ponds, streams, or other bodies of water.</b>   |

#### SECTION 14: Transport Information

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| <b>UN Number:</b> Unknown                 |
| <b>UN Proper Shipping Name:</b> Micro-Bac |
| <b>Transport Hazard Class(es):</b> None   |
| <b>Packing Group Number:</b> N/A          |
| <b>Environmental Hazard(s):</b> None      |

**Guidance on Transport in Bulk:** Product may slosh during shipping. Large containers should be secured for shipping.

**Special Precautions:** Product may slosh during shipping.

**SECTION 15: Regulatory Information**

No special regulatory information.

**SECTION 16: Other Information**

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(NDA = No Data Available)

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