



U.S.Nutri-Cast

SAFETY DATA SHEET

SECTION 1: Identification

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

SECTION 2: Hazard Identification

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| Acute Toxicity, Oral – Category 5 |  |
| Signal Word: Warning | |
| Pictograms | |
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| Hazard Statements | |
| H303: May be harmful if swallowed. H316: Causes mild skin irritation. | |
| Precautionary Statements | |
| P102: Keep out of reach of children. P103: Read label before use. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P332 + P313: If skin irritation occurs: Get medical advice/attention. | |

SECTION 3: Composition Information

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| Trade Secret | 100% |
| Total | 100% |

SECTION 4: First-Aid Measures

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

Recommendations for Immediate Medical Care

Remove all residual material if possible. Product may 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, CO₂, foam

Specific Hazards Arising from this Substance: If ignited, product may smolder in piles or bags, even after surface fires have been extinguished. Bags should be broken and material spread out to ensure all fire is extinguished.

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 a physical barrier.

Cleanup Procedures: Spilled material may be swept, raked, or shoveled into an appropriate disposal container. Spilled material should be disposed of as organic waste, in accordance with local, state, and federal laws.

SECTION 7: Handling and Storage

Precautions for Safe Handling: Protect open wounds from contact with product. Provide adequate local ventilation.

Conditions for Safe Storage, Including Incompatibilities: Store indoors at ambient temperature. 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 work gloves.

Skin and Body Protection: Normal work clothing.

Respiratory Protection: None required. If dust is generated, wear a NIOSH-approved respirator.

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: Solid

Appearance: Dark-brown, heterogenous granules.

Odor: Earthy

Odor Threshold: NDA

pH: NDA

Melting/Freezing Point: NDA

Boiling Point/Range: NDA

Flash Point: NDA

Evaporation Rate: NDA

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

SECTION 10: Stability and Reactivity

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| Reactivity: Inert. |
| Stability: Stable under normal conditions. |
| Conditions to Avoid: Keep away from open flames, hot surfaces, and sources of ignition. |
| Incompatible Materials: Strong acids, strong bases, strong oxidizers, strong reducing agents. |
| Hazardous Decomposition Products: CO ₂ (carbon dioxide). CO (carbon monoxide). At very high temperatures, oxides of nitrogen. |

SECTION 11: Toxicological Information

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| Likely Routes of Exposure: Possible routes of exposure include eye contact, skin contact, inhalation of dust, or ingestion. |
| Effects of Exposure: NDA |
| LD₅₀: NDA |
| Description of Symptoms: NDA |
| NTP/IARC Carcinogenicity: Not listed as a carcinogen. |

SECTION 12: Ecological Information

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| Ecotoxicity: NDA |
| Biodegradation: Product will biodegrade. |
| Octanol-Water Partition Coefficient: NDA |
| Bioconcentration Factor: NDA |
| Other Adverse Effects: None. |

SECTION 13: Disposal Considerations

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| For safe handling practices, see Section 8. |
| Disposal Containers: Material should be disposed of in its original container, where possible. If original container is not available, material may be disposed of in any container suitable for granular organic materials. |
| Disposal Methods: Material may be disposed of as organic waste, according to state, local, and federal laws. |
| Properties Affecting Disposal: None. |
| Special Precautions for Landfill or Incinerator Disposal: None. |
| Do not dispose of waste product in sewers, storm drains, lakes, ponds, streams, or other bodies of water. |

SECTION 14: Transport Information

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| UN Number: Unknown |
| UN Proper Shipping Name: Nutri-cast |
| Transport Hazard Class(es): None |
| Packing Group Number: N/A |
| Environmental Hazard(s): None |
| Guidance on Transport in Bulk: Product may shift or settle during shipping. |

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| Special Precautions: None. |
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| SECTION 15: Regulatory Information |
| No special regulatory information. |

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| SECTION 16: Other Information |
| Date Prepared: August 15, 2017 |
| Last Revision: May 25, 2018 |
| Prepared By: Matthew Banks, Chief Science Officer |
| Preparer Contact Information: PO Box 2099, Indian Trail, NC 28279 Ph: (704) 283-2457 Fx: (704) 283-2104 E-mail: vermaplex@live.com |

(NDA = No Data Available)

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