



U.S.VERMAP

SAFETY DATA SHEET

SECTION 1: Identification

Product Identifier: U.S.Vermap
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, or as an ingredient in fertilizers or soil amendments.

SECTION 2: Hazard Identification

Acute Toxicity, Oral – Category 5	
Signal Word: Warning	
<p align="center">Pictograms</p>  <p align="center">Possible eye/skin irritant.</p>	
<p align="center">Hazard Statements</p> <p>H303: May be harmful if swallowed. H335: May cause respiratory irritation.</p>	
<p align="center">Precautionary Statements</p> <p>P102: Keep out of reach of children. P103: Read label before use. P312: Call a POISON CENTER or doctor/physician if you feel unwell.</p>	

SECTION 3: Composition Information

Trade Secret	100%
Total	100%

SECTION 4: First-Aid Measures

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 if symptoms develop. Never give anything by mouth to an unconscious/unresponsive person.
Symptoms of Exposure

May cause minor irritation to the eyes. Skin contact may produce skin irritation. Eye contact may produce eye irritation. Ingestion may cause stomach upset.

Recommendations for Immediate Medical Care

Remove all residual material if possible. Product may contain naturally-occurring microorganisms, so any exposed open wounds or mucous membranes should be decontaminated appropriately. Vomiting may be induced under medical supervision.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, dry chemical, CO₂, foam.

Specific Hazards Arising from this Substance: Product is not flammable. However, heating of the product may produce steam, which may be 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 kept out of spill area, as spill may represent a slip hazard.

Methods of Containment: Re-cap container where it is safe to do so. Punctures in containers may be plugged with any suitable inert material. If a significant quantity is released, 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. Both should be disposed of according to local regulations. They may be disposed of as organic waste.

SECTION 7: Handling and Storage

Precautions for Safe Handling: Protect open wounds from contact with product. Minimize splashing where possible.

Conditions for Safe Storage, Including Incompatibilities: Store indoors at ambient temperature. Store in original container. Keep away from children and pets. Store below 122 °F where possible.

Further Information: Use good personal hygiene practices. This substance is made from natural products, and is very likely to contain naturally-occurring microorganisms. Take proper precautions to avoid infection of open wounds, or exposure of mucous membranes. Hygiene practices necessary to prevent health hazards from natural substances such as soil, wood chips, bark, compost, etc. 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
N/A	N/A	N/A	N/A

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: Brown to brownish-black liquid.

Odor: Earthy. May have a sulfurous odor.
Odor Threshold: NDA
pH: NDA
Melting Point: NDA
Boiling Point/Range: NDA
Flash Point: NDA
Evaporation Rate: NDA
Flammability (solid, gas): Low
Flammability or explosive limits: Upper: NDA Lower: NDA
Vapor Pressure: NDA
Relative Density: 1.0
Solubility: Miscible with water.
Partition coefficient; n-octanol/water: NDA
Autoignition Temperature: NDA
Decomposition Temperature: NDA
Viscosity: NDA

SECTION 10: Stability and Reactivity

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: Sulfur compounds. CO ₂ (carbon dioxide). CO (carbon monoxide).

SECTION 11: Toxicological Information

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

SECTION 12: Ecological Information

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

SECTION 13: Disposal Considerations

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 suitable waterproof closed-top container.
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

UN Number: Unknown

UN Proper Shipping Name: Vermaplex
Transport Hazard Class(es): None
Packing Group Number: N/A
Environmental Hazard(s): None
Guidance on Transport in Bulk: Product may slosh during shipping. Large containers should be well-secured before transport.
Special Precautions: Product may slosh during shipping.

SECTION 15: Regulatory Information
No special regulatory information.

SECTION 16: Other Information
Date Prepared: August 15, 2017
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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: matthew.sos@outlook.com

(NDA = No Data Available)

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