

## SAFETY DATA SHEET (SDS)

### NT-MAX Septic System Bio-Packs

Prepared in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200) and SDS content requirements (Appendix D).

#### 1. IDENTIFICATION

<b>Product identifier:</b>	NT-MAX Septic System Bio-Packs
<b>Recommended use:</b>	Biological treatment for routine maintenance and organic load reduction in septic tanks, drain-field/leach lines, cesspits, and mound systems.
<b>Restrictions on use:</b>	Not for human or animal consumption. Not for use as an antimicrobial pesticide. Product is intended for septic-system use only. Use only as directed.
<b>Manufacturer/Supplier:</b>	Newtechbio, Inc. 4301 US 9 N Howell, NJ 07731 USA
<b>Telephone (product information; not an emergency number):</b>	800-509-0927
<b>Emergency telephone number (US):</b>	911 (emergency services) or 1-800-222-1222 (Poison Control for medical advice).
<b>Emergency overview:</b>	For life-threatening emergencies call 911. For non-emergency exposure guidance, call Poison Control (US) 1-800-222-1222. For product information, contact Newtechbio, Inc.
<b>SDS revision date:</b>	2026-05-04

#### 2. HAZARD(S) IDENTIFICATION

<b>Classification (OSHA HazCom 2012 / GHS):</b>	Not classified as hazardous.
<b>OSHA defined hazards (HNOC):</b>	Combustible dust (may form combustible dust concentrations in air if powder is released and dust clouds are created).
<b>Label elements:</b>	
<b>Signal word:</b>	Warning (combustible dust).
<b>Hazard statement:</b>	May form combustible dust concentrations in air if powder is released and dust clouds are created during handling or processing.
<b>Pictograms:</b>	None.
<b>Precautionary statements (general):</b>	Keep pouches intact. Avoid breathing dust. Avoid generating dust clouds. Keep away from heat, sparks, open flames, and other ignition sources if powder is released. Wash hands after handling.
<b>Other hazards:</b>	Dust may cause mechanical irritation to eyes, skin, and respiratory tract. Product contains non-pathogenic beneficial microorganisms and enzymes; no known pathogens or opportunistic pathogens are intentionally added. Individuals sensitive to dust, microbial products, or enzyme-containing powders may experience irritation or allergic-type responses.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture: Proprietary microbial and enzyme blend in water-soluble Bio-Pack pouches on an agricultural carrier.

Component	CAS No.	Concentration (% w/w)
Naturally occurring, non-pathogenic beneficial microorganisms (trade secret grouping)	Not applicable	1 - 5%
Proprietary enzyme preparation (trade secret grouping)	Not applicable	< 1%
Agricultural carrier (natural grain-based carrier)	Not assigned (natural agricultural product)	90 - 99%
Water-soluble pouch film	Not disclosed / not assigned	< 5%

Trade secret statement: Specific microorganism identities, enzyme identities, carrier details, film composition, and/or exact percentages are withheld as trade secrets as permitted under 29 CFR 1910.1200(i). Information necessary to evaluate and control exposure is provided in this SDS. Specific identities will be disclosed to medical personnel and other authorized parties in accordance with the regulation.

### 4. FIRST-AID MEASURES

<b>Inhalation:</b>	Move person to fresh air. If symptoms (coughing, irritation, wheezing, shortness of breath) persist, seek medical attention.
<b>Skin contact:</b>	Wash with soap and water. Remove contaminated clothing and wash before reuse. Get medical advice if irritation develops or persists.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
<b>Ingestion:</b>	Rinse mouth. Do not induce vomiting. Drink water to dilute. If large amounts are ingested or symptoms occur (nausea, vomiting, diarrhea), seek medical attention.
<b>Most important symptoms/effects, acute and delayed:</b>	No data available. Expected effects are limited to mechanical irritation from dust, possible allergic-type response in sensitive individuals if powder is inhaled, and possible gastrointestinal upset if large quantities are ingested.
<b>Indication of immediate medical attention and special treatment:</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Water fog, foam, dry chemical, or carbon dioxide (CO <sub>2</sub> ).
<b>Specific hazards arising from the chemical:</b>	Product is not a flammable solid as supplied. Fine organic powder dispersed in air in sufficient concentration and in the presence of an ignition source may present a flash fire or dust explosion hazard. Combustion may produce carbon oxides.
<b>Special protective equipment and precautions for firefighters:</b>	Wear self-contained breathing apparatus (SCBA) and full protective gear as appropriate for the surrounding fire. Avoid generating and dispersing dust during firefighting operations.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment, and emergency procedures:</b>	Avoid breathing dust. Use appropriate PPE as described in Section 8. Keep away from ignition sources if powder is released. Provide adequate ventilation.
<b>Environmental precautions:</b>	Avoid uncontrolled release of large quantities. Prevent entry of packaging, damaged pouches, or large amounts of product into storm drains, surface waters, or waterways. Product is intended for septic-system use only.
<b>Methods and materials for containment and cleaning up:</b>	For intact pouches: collect and place in a suitable container. For spilled powder from damaged pouches: avoid dry sweeping that creates dust. Use a HEPA-filter vacuum or dampen and collect. Place in a labeled container for disposal. Wash spill area with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Handle sealed Bio-Pack pouches to minimize dust exposure. Do not open, cut, tear, or pre-mix pouches except as specifically directed by the product label or manufacturer. If product is opened or transferred, avoid generating dust and avoid contact with eyes and skin. Do not eat, drink, or smoke while handling. Wash hands after use.

### Conditions for safe storage, including any incompatibilities:

Store in original, tightly closed packaging in a cool, dry, well-ventilated area. Protect from moisture and direct sunlight. Recommended storage temperature: 50 to 80 F (10 to 27 C); keep above freezing. Do not allow product to freeze or become wet. Avoid prolonged exposure above 120 F (49 C). Estimated shelf life (unopened, stored as recommended): approximately 5 years. Keep away from strong oxidizers, strong acids, strong bases, and biocidal/disinfecting chemicals which may inactivate microorganisms.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters:

#### OSHA PEL (Particulates Not Otherwise Regulated, PNOR):

15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction) as an 8-hour TWA (where applicable).

#### ACGIH TLV:

Where applicable, consult the current ACGIH TLVs for airborne particulates (PNOS/PNOS-equivalent guidance).

Engineering controls: Normal handling of sealed pouches: no special ventilation typically required. If pouches are opened or dust is generated (bulk handling or damaged pouches), use local exhaust ventilation or general dilution ventilation to control airborne dust.

### Personal protective equipment (PPE):

#### Eye/face protection:

Not typically required for sealed pouch handling. If powder contact is possible, wear safety glasses with side shields; use chemical goggles if heavy dust is generated.

#### Skin protection:

Not typically required for sealed pouch handling. If powder contact is possible, wear disposable gloves (nitrile, neoprene, or similar) and work clothing.

#### Respiratory protection:

Not typically required for sealed pouch handling. If dust is generated, wear a NIOSH-approved particulate respirator (e.g., N95) in accordance with a respiratory protection program as required.

#### Hygiene measures:

Wash hands after handling. Launder contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties (typical values; not specifications):

Appearance	Sealed water-soluble Bio-Pack pouch containing tan to light-brown powder.
Odor	Mild earthy.
Odor threshold	No data available.
pH	Not applicable as supplied (solid). Estimated pH of 1% aqueous slurry: approximately 5 to 8.
Melting point/freezing point	Not applicable.
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable (solid).
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not flammable as a solid product; dust may be combustible if powder is released and dispersed in air.
Upper/lower flammability or explosive limits	No data available.
Vapor pressure	Not applicable.

Vapor density	Not applicable.
Relative density	No data available.
Bulk density	Estimated 0.2 to 0.6 g/cm <sup>3</sup> (loose powder, where applicable).
Solubility(ies)	Pouch film is water-soluble/dispersible. Powder contents are dispersible in water; not fully soluble.
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	Not applicable (solid).
Explosive properties	May form combustible dust concentrations in air if powder is released and dust clouds are created.
Oxidizing properties	Not expected to be oxidizing.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No hazardous reactivity known under normal conditions of use and storage.
<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid:</b>	Avoid generating airborne dust and dust accumulation. Avoid contact with moisture in storage. Avoid excessive heat (above 120 F / 49 C), direct sunlight, freezing, or repeated freeze-thaw after opening to maintain viability (best practice).
<b>Incompatible materials:</b>	Strong oxidizing agents, strong acids, strong bases, and biocidal/disinfecting chemicals (may inactivate microorganisms).
<b>Hazardous decomposition products:</b>	Under fire conditions, may produce carbon oxides (CO, CO <sub>2</sub> ).

## 11. TOXICOLOGICAL INFORMATION

<b>Information on likely routes of exposure:</b>	Inhalation (dust), skin contact, eye contact, ingestion.
<b>Symptoms related to physical, chemical, and toxicological characteristics:</b>	No data available. Dust may cause mechanical irritation to eyes, skin, nose, and throat. Ingestion of large amounts may cause gastrointestinal upset (e.g., nausea, vomiting, diarrhea). Sensitive individuals may experience allergic-type responses to microbial or enzyme-containing dust.
<b>Acute toxicity:</b>	No data available for the mixture.
<b>Skin corrosion/irritation:</b>	No data available; mechanical irritation possible with prolonged contact.
<b>Serious eye damage/irritation:</b>	No data available; dust may cause irritation.
<b>Respiratory or skin sensitization:</b>	No data available for the mixture. Sensitization is not expected during normal sealed-pouch handling. Enzyme-containing dust may cause allergic respiratory or skin responses in susceptible individuals if powder is inhaled or contacts skin.
<b>Germ cell mutagenicity / Carcinogenicity / Reproductive toxicity:</b>	No data available. Components are not expected to be carcinogenic at levels present. This product is not listed by IARC, NTP, or OSHA as a carcinogen.
<b>Specific target organ toxicity (single and repeated exposure):</b>	No data available. Repeated inhalation of dust may aggravate pre-existing respiratory conditions.
<b>Aspiration hazard:</b>	Not applicable (solid).

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available for the mixture.
<b>Persistence and degradability:</b>	No data available. Agricultural carriers are biodegradable. Water-soluble pouch film is expected to dissolve/disperse. Microorganisms are naturally occurring and expected to degrade over time under environmental conditions.
<b>Bioaccumulative potential / Mobility in soil:</b>	No data available.
<b>Other adverse effects:</b>	No data available. Product is intended for septic-system use only; do not apply directly to surface waters unless specifically authorized by applicable directions and regulations.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste treatment methods:</b>	Dispose of unused product, damaged pouches, and contaminated absorbents in accordance with applicable federal, state, and local regulations. This product is not expected to be a hazardous waste under RCRA when disposed of as supplied. Do not reuse empty packaging for other purposes. Do not dispose of outer packaging in toilets, drains, or septic systems.
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## 14. TRANSPORT INFORMATION

<b>DOT (US):</b>	Not regulated as a hazardous material.
<b>IMDG:</b>	Not regulated.
<b>IATA:</b>	Not regulated.
<b>UN number / Proper shipping name / Hazard class / Packing group:</b>	Not applicable.
<b>Environmental hazards (marine pollutant):</b>	Not applicable / not determined.
<b>Special precautions:</b>	Protect packages from damage and moisture. Prevent dust release during transport handling.

## 15. REGULATORY INFORMATION

<b>US Federal Regulations:</b>	
<b>OSHA Hazard Communication Standard (29 CFR 1910.1200):</b>	This product is not classified as hazardous; combustible dust is an OSHA-defined hazard that may apply if powder is released and dust clouds are created.
<b>SARA Title III Sections 302/304:</b>	Not expected to contain substances subject to these reporting requirements at reportable levels.
<b>SARA Title III Sections 311/312:</b>	Not classified as a hazardous chemical for these purposes; combustible dust may be applicable depending on form/handling.
<b>SARA Title III Section 313:</b>	Not expected to contain listed toxic chemicals at reportable levels.
<b>TSCA Inventory:</b>	Not determined for this mixture. Verify TSCA applicability for microbial products, enzyme preparations, pouch film, and carriers as part of regulatory compliance review.
<b>California Proposition 65:</b>	To the best of our knowledge, this product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity at levels requiring a warning.

**16. OTHER INFORMATION**

**HMIS Rating (typical):**  
**Hazardous Material Information System**  
**(HMIS)**

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

**NFPA Rating (typical):**

Health 1 | Flammability 0 | Instability 0

**Revision information:**

Revision 1.0 (Final) - Initial SDS issue for NT-MAX Septic System Bio-Packs.

**Disclaimer:**

The information in this SDS is believed to be accurate as of the revision date and is provided for guidance in safe handling, use, processing, storage, transportation, disposal, and release. It relates only to the specific product identified and may not be valid when used with other materials or in any process not described. Newtechbio, Inc. makes no warranties, expressed or implied, regarding this information.