Revision 1.0 (Final)
Revision Date: 2026-05-04

SAFETY DATA SHEET (SDS)

NT-MAX Industrial Strength Septic Super Shock X2 Combo Kit - Liquid + Bio-Packs

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

1. IDENTIFICATION

Product identifier:	NT-MAX Industrial Strength Septic Super Shock X2 Combo Kit - Liquid + Bio-Packs
Recommended use:	Dual-component biological treatment kit for septic tanks, drain-field/leach lines, cesspits, mound systems, and related onsite wastewater systems. The liquid component is intended for shock/restoration treatment of overloaded or clogged systems; Bio-Pack pouches are intended for ongoing biological maintenance as directed.
Restrictions on use:	Not for human or animal consumption. Not for use as an antimicrobial pesticide. Do not use in potable water systems. Product is intended for septic-system use only. Use only as directed.
SDS product scope:	This SDS applies only to the kit as supplied with separately packaged liquid biological treatment and sealed water-soluble Bio-Pack pouches. It does not apply to other NT-MAX products or to materials that are mixed, diluted, opened, repackaged, or altered except as directed by the product label or manufacturer.
Manufacturer/Supplier:	NewTechBio, Inc. 4301 US 9 N Howell, NJ 07731 USA
Telephone (product information; not an emergency number):	800-509-0927
Emergency telephone number (US):	911 (emergency services) or 1-800-222-1222 (Poison Control for medical advice).
Emergency overview:	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.
SDS revision date:	2026-05-04

2. HAZARD(S) IDENTIFICATION

Classification (OSHA HazCom / GHS): Not classified as hazardous.

OSHA defined hazards (HNOC): Combustible dust may apply to the Bio-Pack powder component if powder is released and dust clouds are created. Spilled liquid may create a slip hazard.

Label elements:

Signal word: Warning (combustible dust, powder component only).

Hazard statement: Bio-Pack powder may form combustible dust concentrations in air if powder is released and dust clouds are created during handling or processing. Spilled liquid may create a slip hazard.

Pictograms: None.

Precautionary statements (general): Keep liquid containers closed and Bio-Pack pouches intact. Avoid breathing dust, mist, or aerosols. Avoid generating dust clouds. Keep released powder away from heat, sparks, open flames, and other ignition sources. Prevent spills and clean promptly. Wash hands after handling.

Other hazards: Dust may cause mechanical irritation to eyes, skin, and respiratory tract. Liquid splash or mist may cause mild eye, skin, or respiratory irritation. 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 materials may experience irritation or allergic-type responses.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture: Two-component kit containing a proprietary aqueous microbial/enzyme liquid treatment and proprietary microbial/enzyme Bio-Pack pouches on an agricultural carrier. Components are packaged separately. Concentration ranges below are estimated for each component as supplied, not for the kit as a combined whole.

Kit component	Component	CAS No.	Concentration (% w/w within component)
Liquid biological treatment	Water / aqueous carrier	7732-18-5	90 - 99%
Liquid biological treatment	Non-pathogenic beneficial microorganisms and enzyme preparation (trade secret grouping)	Not applicable / not assigned	1 - 10%
Liquid biological treatment	Non-hazardous nutrients, stabilizers, and processing aids (trade secret grouping)	Not applicable / not assigned	< 10%
Bio-Pack powder pouch	Naturally occurring, non-pathogenic beneficial microorganisms (trade secret grouping)	Not applicable	1 - 5%
Bio-Pack powder pouch	Proprietary enzyme preparation (trade secret grouping)	Not applicable	< 1%
Bio-Pack powder pouch	Agricultural carrier (natural grain-based carrier)	Not assigned	90 - 99%
Bio-Pack powder pouch	Water-soluble pouch film	Not disclosed / not assigned	< 5%

Trade secret statement: Specific microorganism identities, enzyme identities, carrier details, pouch-film composition, processing aids, 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

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

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Water fog, foam, dry chemical, or carbon dioxide (CO2). Use extinguishing media suitable for surrounding fire.
Specific hazards arising from the chemical:	The liquid component is an aqueous product and is not expected to burn. The Bio-Pack powder component is not a flammable solid as supplied, but 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. Closed containers may rupture if exposed to excessive heat. Combustion of dried residues, carrier, film, or packaging may produce carbon oxides.
Special protective equipment and precautions for firefighters:	Wear self-contained breathing apparatus (SCBA) and full protective gear as appropriate for the surrounding fire. Avoid generating and dispersing powder dust during firefighting operations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:	Avoid breathing dust, mist, or aerosols. Avoid eye and skin contact. Use appropriate PPE as described in Section 8. Provide adequate ventilation. Keep released powder away from ignition sources. Liquid spills may be slippery.
Environmental precautions:	Avoid uncontrolled release of large quantities. Prevent packaging, damaged pouches, liquid product, and large amounts of powder from entering storm drains, surface waters, or waterways except as part of intended septic-system use.
Methods and materials for containment and cleaning up:	Liquid component: contain spill, absorb with inert material, and place in a suitable labeled container. Rinse residue with water as appropriate. Bio-Pack pouches: collect intact pouches and place in a suitable container. Spilled powder from damaged pouches: avoid dry sweeping that creates dust; use a HEPA-filter vacuum or lightly dampen and collect. Wash spill area with water after pickup. Dispose in accordance with Section 13.

7. HANDLING AND STORAGE

Precautions for safe handling: Keep liquid containers closed when not in use. 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. Avoid splashing or aerosolizing the liquid component. If product is opened, transferred, or spilled, avoid generating dust or mist 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 Bio-Packs from moisture and protect liquid containers from leakage. Recommended storage temperature: 50 to 80 F (10 to 27 C); keep above freezing to maintain product viability. Avoid prolonged exposure above 120 F (49 C), direct sunlight, freezing, and repeated freeze-thaw cycles. Keep away from strong oxidizers, strong acids, strong bases, and biocidal/disinfecting chemicals which may inactivate microorganisms.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: No product-specific occupational exposure limits established.

OSHA PEL (Particulates Not Otherwise Regulated, PNOR): For released powder dust where applicable: 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction) as an 8-hour TWA.

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

Engineering controls: Normal handling of closed liquid containers and sealed Bio-Pack pouches: no special ventilation typically required. If pouches are opened or dust is generated, use local exhaust ventilation or general dilution ventilation to control airborne dust. Avoid aerosolizing the liquid component; use ventilation if mist or aerosol is generated.

Personal protective equipment (PPE):

Eye/face protection: Not typically required for normal closed-container and sealed-pouch handling. Wear safety glasses with side shields if splash, dust, or powder contact is possible; use chemical goggles if heavy dust, mist, or splash exposure is possible.

Skin protection: Not typically required for normal handling. Wear disposable gloves (nitrile, neoprene, or similar) and work clothing if liquid contact, damaged pouches, powder handling, or cleanup is possible.

Respiratory protection: Not typically required for normal handling. If dust or mist is generated and ventilation is insufficient, wear a NIOSH-approved particulate respirator (e.g., N95) in accordance with an applicable respiratory protection program.

Hygiene measures: Wash hands after handling. Launder contaminated clothing before reuse. Avoid touching eyes or face with contaminated hands.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties (typical values; not specifications). Kit components remain separately packaged as supplied.

Property	Value
Appearance	Two-component kit: aqueous biological liquid treatment; sealed water-soluble Bio-Pack pouches containing tan to light-brown powder.
Odor	Mild earthy or fermentation-like odor; powder may have mild grain/earthy odor.
Odor threshold	No data available.
pH	Liquid component: no data available; expected near neutral to mildly acidic. Bio-Pack powder: not applicable as supplied; estimated pH of 1% aqueous slurry approximately 5 to 8.
Melting point/freezing point	Liquid component: approximately 32 F (0 C), water-based. Bio-Pack powder: not applicable.
Initial boiling point and boiling range	Liquid component: approximately 212 F (100 C), water-based. Bio-Pack powder: not applicable.
Flash point	Liquid component: not applicable / not expected to flash. Bio-Pack powder: not applicable as supplied; dust may be combustible if released and dispersed in air.
Evaporation rate	Liquid component: similar to water. Bio-Pack powder: not applicable.
Flammability (solid, gas)	Liquid component: not flammable. Bio-Pack powder: not flammable as supplied; released dust may be combustible.
Upper/lower flammability or explosive limits	No data available.
Vapor pressure	Liquid component: similar to water. Bio-Pack powder: not applicable.
Vapor density	No data available / not applicable to powder.
Relative density	Liquid component: estimated approximately 1.0 g/mL. Bio-Pack powder: no data available.
Bulk density	Bio-Pack powder: estimated 0.2 to 0.6 g/cm3 (loose powder, where applicable). Liquid component: not applicable.
Solubility(ies)	Liquid component: miscible/dispersible in water. Pouch film is water-soluble/dispersible; powder contents are dispersible in water and not fully soluble.
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	Liquid component: no data available; expected water-like to slightly viscous. Bio-Pack powder: not applicable.
Explosive properties	Bio-Pack powder 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

Reactivity: No hazardous reactivity known under normal conditions of use and storage.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Avoid generating airborne powder dust and dust accumulation. Avoid moisture exposure for Bio-Pack pouches during storage. Avoid container leakage, excessive heat (above 120 F / 49 C), direct sunlight, freezing, or repeated freeze-thaw cycles to maintain product viability.

Incompatible materials: Strong oxidizing agents, strong acids, strong bases, and biocidal/disinfecting chemicals (may inactivate microorganisms).

Hazardous decomposition products: Under fire conditions, dried residues, carrier, film, or packaging may produce carbon oxides (CO, CO2).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:	Inhalation of dust, mist, or aerosols; skin contact; eye contact; ingestion.
Symptoms related to physical, chemical, and toxicological characteristics:	No data available for the kit. Released powder dust may cause mechanical irritation to eyes, skin, nose, and throat. Liquid splash or mist may cause mild irritation. 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 or mist.
Acute toxicity:	No data available for the kit.
Skin corrosion/irritation:	No data available; mild irritation possible with prolonged liquid contact or powder contact.
Serious eye damage/irritation:	No data available; liquid splash or dust may cause irritation.
Respiratory or skin sensitization:	No data available for the kit. Sensitization is not expected during normal closed-container and sealed-pouch handling. Enzyme-containing dust or mist may cause allergic respiratory or skin responses in susceptible individuals if inhaled or if contact occurs.
Germ cell mutagenicity / Carcinogenicity / Reproductive toxicity:	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.
Specific target organ toxicity (single and repeated exposure):	No data available. Repeated inhalation of dust or aerosols may aggravate pre-existing respiratory conditions.
Aspiration hazard:	Not expected for the water-based liquid component; not applicable to the powder component.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available for the kit.
Persistence and degradability:	No data available for the kit. 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.
Bioaccumulative potential / Mobility in soil:	No data available.
Other adverse effects:	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

Waste treatment methods:	Dispose of unused liquid product, damaged pouches, spilled powder, contaminated absorbents, and empty packaging 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 containers or packaging for other purposes. Do not dispose of outer packaging in toilets, drains, or septic systems.

14. TRANSPORT INFORMATION

DOT (US):	Not regulated as a hazardous material.
IMDG:	Not regulated.
IATA:	Not regulated.
UN number / Proper shipping name / Hazard class / Packing group:	Not applicable.
Environmental hazards (marine pollutant):	Not applicable / not determined.
Special precautions:	Protect packages from damage, leakage, freezing, excessive heat, and moisture. Prevent dust release from damaged Bio-Pack pouches during transport handling.

15. REGULATORY INFORMATION

US Federal Regulations:

OSHA Hazard Communication Standard (29 CFR 1910.1200):	This kit is not classified as hazardous; combustible dust is an OSHA-defined hazard that may apply to the Bio-Pack powder component if powder is released and dust clouds are created.
SARA Title III Sections 302/304:	Not expected to contain substances subject to these reporting requirements at reportable levels.
SARA Title III Sections 311/312:	Not classified as a hazardous chemical for these purposes; combustible dust may be applicable depending on form and handling of released powder.
SARA Title III Section 313:	Not expected to contain listed toxic chemicals at reportable levels.
TSCA Inventory:	Not determined for this kit. Verify TSCA applicability for microbial products, enzyme preparations, pouch film, carriers, and liquid-component non-hazardous ingredients as part of regulatory compliance review.
EPA pesticide status:	This product is not intended for use as an antimicrobial pesticide and is not represented as a pesticide product.
California Proposition 65:	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) HEALTH 1 FLAMMABILITY 0 PHYSICAL HAZARD 0 PERSONAL PROTECTION B
NFPA Rating (typical):	Health 1 | Flammability 0 | Instability 0
Revision information:	Revision 1.0 (Final) - Initial SDS issue for NT-MAX Industrial Strength Septic Super Shock X2 Combo Kit - Liquid + 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.