

SAFETY DATA SHEET (SDS)

NT-MAX Industrial Strength Septic Super Shock Liquid Septic & Drainfield Treatment

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 Liquid Septic & Drainfield Treatment
Recommended use:	Aqueous biological treatment for septic tanks, drain-field/leach lines, cesspits, leach fields, sand mounds, and related onsite wastewater systems. Intended for shock/restoration treatment of overloaded, slow, clogged, ponding, or odor-producing septic systems 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 liquid biological treatment as supplied. 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 based on available information.
OSHA defined hazards (HNOC):	No OSHA-defined hazards known under normal handling. Spilled liquid may create a slip hazard.
Label elements:	
Signal word:	None.
Hazard statement:	None required for a non-classified mixture.
Pictograms:	None.
Precautionary statements (general):	Keep container closed when not in use. Avoid breathing mist or aerosols. Avoid contact with eyes and prolonged skin contact. Prevent spills and clean promptly. Wash hands after handling.

Other hazards: 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 microbial products or enzyme-containing materials may experience irritation or allergic-type responses, particularly if mist or aerosols are generated.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture: Proprietary aqueous microbial/enzyme liquid treatment.

Component	CAS No.	Concentration (% w/w)
Water / aqueous carrier	7732-18-5	90 - 99%
Non-pathogenic beneficial microorganisms and enzyme preparation (trade secret grouping)	Not applicable / not assigned	1 - 10%
Non-hazardous nutrients, stabilizers, and processing aids (trade secret grouping)	Not applicable / not assigned	< 10%

Trade secret statement: Specific microorganism identities, enzyme identities, nutrient/stabilizer identities, 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 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 mixture. Expected effects are limited to mild irritation from liquid splash, mist, or aerosol exposure and possible gastrointestinal upset if large quantities are ingested.

Indication of immediate medical attention and special treatment: Treat symptomatically. Individuals with known sensitivity to microbial or enzyme-containing materials should be evaluated if respiratory or allergic-type symptoms occur.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Product is water-based and not expected to burn. Use water spray, foam, dry chemical, carbon dioxide (CO₂), or other media appropriate for the surrounding fire.

Specific hazards arising from the chemical: Closed containers may rupture if exposed to extreme heat. Dried organic residues or packaging may burn under fire conditions and may produce carbon oxides and irritating fumes.

Special protective equipment and precautions for firefighters: Wear self-contained breathing apparatus (SCBA) and full protective gear as appropriate for the surrounding fire. Cool exposed containers with water spray if safe to do so.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Avoid contact with eyes and prolonged skin contact. Avoid breathing mist or aerosols. Use appropriate PPE as described in Section 8. Product is slippery when spilled; restrict traffic and clean promptly.

Environmental precautions: Avoid uncontrolled release of large quantities. Prevent entry into storm drains, surface waters, or waterways except as part of intended septic-system use.

Methods and materials for containment and cleaning up: Stop leak if safe. Dike or contain spill. Absorb with inert material such as sand, vermiculite, clay, or commercial absorbent. Collect into a suitable container for disposal. Rinse residual film with water after material is removed, taking care to prevent slip hazards.

7. HANDLING AND STORAGE

Precautions for safe handling: Keep containers closed when not in use. Avoid splashing, spraying, or aerosolizing product. Avoid contact with eyes and prolonged skin contact. Do not eat, drink, or smoke while handling. Wash hands after use. Handle containers to prevent leaks, punctures, and spills.

Conditions for safe storage, including any incompatibilities: Store in original, tightly closed packaging in a cool, dry, well-ventilated area. Protect from leakage, direct sunlight, and temperature extremes. Recommended storage temperature: 50 to 80 deg F (10 to 27 deg C); keep above freezing to maintain product viability. Avoid prolonged exposure above 120 deg F (49 deg C), 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.

Engineering controls: Normal closed-container handling typically requires no special ventilation. If mist, aerosols, or spray are generated, use general dilution ventilation or local exhaust ventilation to minimize inhalation exposure.

Eye/face protection: Not typically required for normal closed-container handling. Wear safety glasses with side shields where splash exposure is possible. Use chemical goggles if heavy splash, spray, or aerosol exposure is possible.

Skin protection: Not typically required for brief normal handling. Wear chemical-resistant gloves such as nitrile, neoprene, or similar and protective work clothing for prolonged contact, spill cleanup, or container handling where leakage is possible.

Respiratory protection: Not typically required for normal handling. If mist or aerosols are generated and ventilation is insufficient, wear a NIOSH-approved particulate respirator (e.g., N95 or better) 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):

Property	Value
Appearance	Aqueous biological liquid; product color may vary.
Odor	Mild earthy or fermentation-like odor.
Odor threshold	No data available.
pH	No data available; expected near neutral to mildly acidic.
Melting point/freezing point	Approximately 32 deg F (0 deg C), water-based.
Initial boiling point and boiling range	Approximately 212 deg F (100 deg C), water-based.
Flash point	Not applicable / not expected to flash.
Evaporation rate	Similar to water.
Flammability (solid, gas)	Not applicable; product is a water-based liquid and is not expected to be flammable.
Upper/lower flammability or explosive limits	No data available / not applicable.
Vapor pressure	Similar to water.
Vapor density	No data available.
Relative density	Estimated approximately 1.0 g/mL.
Solubility(ies)	Miscible/dispersible in water.
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available; expected water-like to slightly viscous.
Explosive properties	Not expected to be explosive.
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 container leakage, excessive heat (above 120 deg F / 49 deg C), direct sunlight, freezing, or repeated freeze-thaw cycles to maintain product viability. Avoid conditions that generate mist or aerosols.
Incompatible materials:	Strong oxidizing agents, strong acids, strong bases, and biocidal/disinfecting chemicals (may inactivate microorganisms).
Hazardous decomposition products:	Under fire conditions, dried residues or packaging may produce carbon oxides (CO, CO ₂) and irritating fumes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:	Inhalation of mist or aerosols; skin contact; eye contact; ingestion.
Symptoms related to physical, chemical, and toxicological characteristics:	No data available for the mixture. Liquid splash or mist may cause mild irritation to eyes, skin, nose, throat, or respiratory tract. Ingestion of large amounts may cause gastrointestinal upset (e.g., nausea, vomiting, diarrhea).
Acute toxicity:	No data available for the mixture.
Skin corrosion/irritation:	No data available; mild irritation possible with prolonged or repeated contact.
Serious eye damage/irritation:	No data available; splash or mist may cause irritation.
Respiratory or skin sensitization:	No data available. Product contains beneficial microorganisms and enzymes. Sensitization is not expected under normal handling, but individuals may vary in sensitivity; mist or aerosol exposure may irritate or cause allergic-type responses in susceptible individuals.
Germ cell mutagenicity / Carcinogenicity / Reproductive toxicity:	No data available for the mixture. 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 mist or aerosols may aggravate pre-existing respiratory conditions.
Aspiration hazard:	No data available; not expected to be an aspiration hazard based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available for the mixture. Product is intended for septic-system treatment when used as directed.
Persistence and degradability:	No data available for the mixture. Aqueous carrier, nutrients, enzymes, and beneficial microorganisms are expected to disperse and degrade over time under environmental conditions.
Bioaccumulative potential:	No data available. Bioaccumulation is not expected based on the aqueous biological nature of the product.
Mobility in soil:	No data available. Product is miscible/dispersible in water and may migrate with water flow if released outside intended use.
Other adverse effects:	No data available. Avoid uncontrolled release of large quantities to surface waters, storm drains, or waterways.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:	Dispose of unused product, contaminated absorbents, and empty containers 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 for other purposes unless properly cleaned and allowed by applicable requirements.
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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 containers from damage, leakage, freezing, and excessive heat during transport. Keep containers closed and upright where practical.

15. REGULATORY INFORMATION

US Federal Regulations:	
OSHA Hazard Communication Standard (29 CFR 1910.1200):	This product is not classified as hazardous based on available information.
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 based on available information.
SARA Title III Section 313:	Not expected to contain listed toxic chemicals at reportable levels.
TSCA Inventory:	Not determined for this mixture. Verify TSCA applicability for microbial products and associated processing aids as part of regulatory compliance review.
FIFRA / antimicrobial pesticide use:	Product is represented as a biological septic-system treatment and is not intended for use as an antimicrobial pesticide. Use only as directed.
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):	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 issue for the liquid product only.
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.