



104 W. 4th St., Suite 212
Royal Oak, MI 48067 USA

Sept-X
Natural Waste Water
Treatment

TRANSPORTATION EMERGENCY

CALL BNA: 1-248-845-8354

NON TRANSPORTATION:

EMERGENCY TELEPHONE: 1-248-845-8354

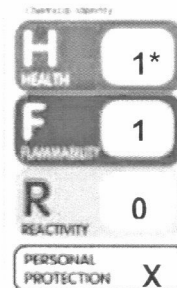
INFORMATION TELEPHONE: 1-248-845-8354

INFORMATION: e-mail: info @septx.com

SECTION 1: Product and Company Identification

Product Name: Sept-X
Material Number: 301
Chemical Name: NA
Packaging: Packed in 0.1, 1.0, 5.0 and 10.0 kg vacuum sealed bags

Sept-X

**SECTION 2: Composition/Information on Ingredients****HAZARDS AND EMERGENCY OVERVIEW:**

See Section 15 (HMIS rating) for explanation

CAUTION!

This product is not expected to produce chemical or physical hazards during its use. High dust levels created may cause physical irritation to the eyes, nose, throat or upper respiratory tract. Not for human consumption. Keep out of reach of children. Prolonged and repeated exposure to any natural product may cause allergic responses in the short term or over time in susceptible people. Wash face and hands after handling this product. Store in a cool dry place away from sunlight.

During the intended use (waste water treatment - odor control) of this product, the following potentially hazardous ingredients could be generated:

HAZARDOUS INGREDIENTS:

<u>Ingredient Name/</u>	<u>CAS Number</u>	<u>Contents</u> W%	<u>Exposure Limits</u>	
			<u>OSHA</u>	<u>ACGIH</u>
Particulate Matter	None	100	15.0 mg/m ³ Total Dust TWA 5.0 mg/m ³ Respirable	10.0 mg/m ³ Dust TLV

**NON-HAZARDOUS
INGREDIENTS:**

Beneficial Bacteria	None	Not Regulated	No Data
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EMERGENCY OVERVIEW

CAUTION: Non-regulated. **Color:** Yellow brown to light amber **Form:** Flowable powder. Dried material is light and flowable and can be easily scooped or poured. **Odor:** Rice or grain bran odor. Material may be harmful to lungs if inhaled in large quantities or to digestive tract if intentionally ingested. Material may trigger asthma symptoms in susceptible individuals. Dust may cause lung damage if respiratory protection is not used when large quantities are inhaled over long periods of time. Material may also cause mechanical eye irritation if dust is blown into eye. Material may burn at temperatures above 155°C.

POTENTIAL HEALTH EFFECTS:

Route(s) of Entry: Inhalation, skin contact, eye contact, ingestion

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

GENERAL EFFECTS OF EXPOSURE:

Acute Hazards: May cause mild eye, skin and respiratory tract irritation. Ingestion of large quantities may cause intestinal upset. Air borne material may trigger asthma symptoms in susceptible individuals.

Chronic Effects of Exposure: Repeated or prolonged inhalation of dust quantities in excess of the PEL may cause lung damage.
Note: PEL (OSHA Permissible Exposure Level for total dust) is estimated to be exceeded when dust can be seen continuously between your eyes and your extended palm.

Since this is a natural product, people with sensitivity to grains, molds or yeasts may be (or may become) allergic over time. Allergy symptoms including asthma could develop over time.

Carcinogenic Components:

NTP: None

IARC: None

OSHA: None


Medical Conditions

Aggravated by Exposure: Persons with pre-existing allergies to grains, yeast and fermented grain extracts may be more susceptible to the effects of this product.

Section 4: First Aid Measures

First Aid for Eye: In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops or persists.

First Aid for Skin: Wash irritated areas with soap and water and keep dry. Wash clothing before reuse. Get medical attention if irritation develops or persists.



First Aid for Inhalation: If shortness of breath occurs from the dust being inhaled, remove to fresh air. If breathing is difficult, give oxygen. Call a physician immediately.

First Aid for Ingestion: Give two glasses of water for dilution. Never give anything by mouth to an unconscious person. Call a physician immediately.

SECTION 5: Fire Fighting Measures

Flash Point: >400 F

Flammable Limits:

Upper Explosion Limit (UEL %): Not applicable

Lower Explosion Limit (LEL %): Not applicable

Auto-ignition Temperature: NA

Extinguishing Media:

Suitable: Any suitable extinguishing agent for surrounding material that may be on fire. ABC, CO2, Foam, etc.

Unsuitable: Not applicable

Special Fire Fighting Procedures: Any fire beyond the incipient (beginning) stage should be handled by professional fire fighters equipped with self-contained breathing apparatus to protect against potentially irritating fumes. During a fire, irritating gases and aerosols may be generated by thermal decomposition or by surrounding material that may be burning.

SECTION 6: Accidental Release Measures

Spill or Leak Procedures: Dry powder material: Scrape up and dispose of properly. Dust: Vacuum, wet wipe or squeegee up material and place in appropriate container. Avoid using brooms to prevent generation of dust. If dust is generated, use appropriate respiratory protection. Collect remaining material for approved disposal. Keep dry material from entering sewer, surface, or ground water.

SECTION 7: Handling and Storage

Storage Temperature: Minimum: Room temperature recommended (20-25°C)
Maximum: (40°C)

Shelf Life: Two years in tightly closed containers.

Special Sensitivity: Keep away from direct sunlight to preserve functionality.

Handling/Storage Precautions: Avoid breathing dust. Avoid contact with eyes. Wash thoroughly after handling. Store containers in a cool dry place away from excessive heat. Reseal containers immediately after use. Keep away from children.



SECTION 8: Exposure Controls/Personal Protection

PERSONAL PROTECTION EQUIPMENT

Eye Protection Requirements:	ANSI approved safety glasses with side protection or goggles recommended. It is generally recognized that contact lenses should not be worn when working with dusts or chemicals because contact lenses may contribute to the severity of an eye injury.
Skin Protection Requirements:	Long sleeved shirts and pants are recommended. Latex or nitrile gloves are recommended to minimize skin contact. Employees should wash their hands and face after use and before eating, drinking or using tobacco products.
Ventilation Requirements:	Use local exhaust ventilation, if airborne dust is a problem, to maintain air levels below the recommended exposure limit. (Visible dust between your eye and your outstretched palm)
Respirator Requirements:	If dust is frequently visible, ambient concentrations should be tested. If the recommended exposure limits are exceeded, a NIOSH approved HEPA tight fitting dust respirator should be worn.
Additional Protective Measures:	Emergency eye wash stations should be available. Educate and train employees in the safe use and handling of this product.

SECTION 9: Physical and Chemical Properties

Physical Form:	Dry powder
Density	0.726 g / cm ³
Appearance:	Granular material (32 – 60 microns)
Color:	Light yellow/brown
Odor:	Grain extract odor
pH	5.0 - 8.0
Freezing Point:	NA (Material is dry)
Viscosity:	Not determined
Solubility in Water:	1- 25%

SECTION 10: Stability and Reactivity

Vapor Density:	NA
Stability:	Stable
Hazardous Polymerization:	Will not occur



Substances to Avoid: None known

Conditions to Avoid: None known

Decomposition Temperature: 155°C

Decomposition Products: Criteria pollutants typical of carbon based combustion.

SECTION 11: Toxicological Information

TOXICITY DATA

Acute Oral Toxicity: Acute: > LD 50 > 2,000 mg/kg [Rat].
LD 50 > 2,000 mg/kg in fish

Acute Dermal Toxicity: > 2,000 mg/kg (Rat)

Acute Inhalation Toxicity: No data available

Eye Toxicity: No data available

Skin Toxicity: No data available

Other Chronic Effects: No data available

Sensitization: Same as cereal grain products

SECTION 12: Ecological Information

Ecological Data: No data available for this product

Ecological Note: This product contains naturally occurring beneficial bacteria.

SECTION 13: Disposal Considerations

Waste Disposal Method: Incidental amounts of material or dust may be disposed of in permitted landfills if properly contained. For larger disposal quantities, contact the local landfill for appropriate analyticals or approvals. Disposal must be in compliance with federal, state, and local environmental regulations.

SECTION 14: Transportation Information

Technical Shipping Name: Non-Hazardous

Freight Class

Bulk: Non-Hazardous

Package: Non-Hazardous

US Domestic Surface Transportation (DOT)

Hazard Class of Division: Non-Regulated

Signal Word: CAUTION

Marine Transportation (IMO / IMDG)
 Hazard Class Division Number: Non-Regulated

Air Transportation (ICAO / IATA)
 Hazard Class Division Number: Non-Regulated
 Radioactive: Non-Regulated

SECTION 15: Regulatory Information

UNITED STATES FEDERAL REGULATIONS

OSHA Hazcom Standard: Hazardous (May Cause Mechanical Irritation)

HMIS Rating: 1*- Slight health with possible sensitizer
 1 - Slight fire hazards
 0 - No reactive hazards
 X - Personal Protection Equipment - See your supervisor for recommended personal protection for hazards not controlled by local engineering controls.

TSCA Inventory List: Not subject to reporting

CERCLA Hazardous Substance:

<u>Component(s)</u>	<u>Reportable Quantity</u>
None	None

CWA: None None

CAA: Particulate Matter Air Emissions - 5 pounds per hour/25 pounds per day air discharge limit for particulates (There may be lower local limits.)

SARA Title III

SARA Section 302 Extremely Hazardous Substances:

<u>Component(s)/ CAS Number</u>	<u>Reporting Threshold</u>	<u>Min.</u>	<u>Concentration</u>	<u>Max.</u>
None				

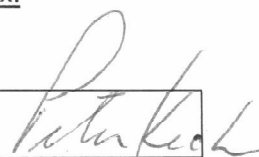
SARA Section 311/312 Hazard

<u>Component(s)/ CAS Number</u>	<u>Reporting Threshold</u>	<u>Min.</u>	<u>Concentration</u>	<u>Max.</u>
None				

Categories: Immediate Health Hazard, Delayed Health Hazard

SARA Section 313 Toxic Chemicals:

<u>Component(s)/ CAS Number</u>	<u>Reporting Threshold</u>	<u>Min.</u>	<u>Concentration</u>	<u>Max.</u>
None				



RCRA (Waste) Status: Uncontaminated material is non-hazardous. It is the responsibility of the product user to determine whether a mixture containing this product or derived from this product should be classified as a hazardous waste. (40CFR 261.20-24) At a minimum, material should be tested for RCRA metals and any other hazardous contaminants that may have been introduced to the process.

The following chemicals are specifically listed by individual states. Other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements, you should contact the appropriate agency in your country or state.

USA State Right-To-Know Information

<u>Components(s)/ CAS Number</u>	<u>State Code</u>	<u>Concentration</u>	
		<u>Min.</u>	<u>Max</u>
Grain Extracts and Probiotic Bacteria	NA		
None			

USA Federal and State Regulations: TSCA 8(b) inventory: None

Other Regulations: EINECS: This product is not on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):

R36- Irritating to eyes.

S2- Keep out of the reach of children.

HMIS (U.S.A.):

Health Hazard: 1* (Minimal- Flash point greater than 200°F)

Fire Hazard: 1 (Minimal)

Reactivity: 0

Personal Protection: X (Gloves, long pants and shirts, and safety glasses are recommended. A respirator is also recommended if there is insufficient ventilation. (See supervisor for guidance, otherwise use a NIOSH approved particulate respirator under the guidance of a written respirator program as designed by a qualified professional.)

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1 (Flash point greater than 200°F)

Reactive: 0

SECTION 16: Other Information

This product is safe and effective for its stated intended use. It does not contain any genetically modified bacteria. It does not contain any pathogenic bacteria. It promotes beneficial bacterial growth in waste water so the addition of this product will reduce undesirable bacteria and odors.

Contact: Dayna Fick

Telephone: 1-248-845-8354

SDS Number: 301

Version Date: 9/5/2012

SDS Version: 1.1

This information is accurate to the best knowledge of BioNatural America Institute. The data on this sheet relates only to the specific material designated herein. BioNatural America Institute assumes no legal responsibility for improper use or disposal of this product.