

SECTION 1: IDENTIFICATION**1.1. Product Identifier**

Product Form: Mixture

Product Name: MicroSyn N-2000

1.2. Intended Use of the Product

Microbial nutrient.

1.3. Name, Address, and Telephone of the Responsible Party**Company**

Synthex Organics, LLC

4601 Cortland Avenue

Altoona, PA 16601

(814) 941 - 8375

www.synthexorganics.net**1.4. Emergency Telephone Number**

Emergency Number : Call CHEMTREC Day or Night 1 (800) 424 - 9300 / +1 (703) 527 - 3887

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the Substance or Mixture****GHS-US/CA Classification**

Not classified

2.2. Label Elements**GHS-US/CA Labeling****Hazard Pictograms (GHS-US):**

None

Signal Word (GHS-US):

None

Hazard Statements (GHS-US):

None

Precautionary Statements (GHS-US):**Prevention**

None

Response

None

Storage

Store in a well-ventilated place.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations

2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substance**

Hazardous Ingredient(s)	% wt.*	CAS No.
Contains no reportable substances		

SECTION 4: FIRST AID MEASURES**4.1. Description of First-aid Measures****First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).**First-aid Measures After Inhalation:** Remove casualty to fresh air and keep warm and at rest**First-aid Measures After Skin Contact:** Wash with plenty of water and soap.**First-aid Measures After Eye Contact:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**First-aid Measures After Ingestion:** Do not under any circumstances induce vomiting. Seek immediately medical advice.**4.2. Most Important Symptoms and Effects Both Acute and Delayed**

None under normal use

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4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

None under normal use.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: In case of fire: Water. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media: None

5.2. Special Hazards Arising From the Substance or Mixture

Do not inhale explosion and combustion gases.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Move containers from fire area if you can do so without risk. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Not known.

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

6.2. Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Suitable material for taking up: absorbing material, organic, sand Wash with plenty of water.

Methods for Cleaning Up:

Large Spills: Do not flush with water. Dam up. Clean up promptly by scoop or vacuum. Soak up residues with inert absorbent material. After cleaning, flush traces away with water.

Small Spills: Do not flush with water. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: May be corrosive to metals.

Precautions for Safe Handling: Avoid contact with skin and eyes, inhalation of vapors and mists. Do not eat or drink while working. See also section 8 for recommended protective equipment

Hygiene Measures: Observe good industrial hygiene practices.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep away from food, drink and feed. Instructions as regards storage premises: Adequate ventilation in working area. Packaging suggested: Plastic drums

7.3. Specific End Use(s)

Water treatment chemical, For professional use only.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Occupational Exposure Limits

		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	-----	-----	-----	-----	-----	-----

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, natural ventilation is adequate in absence of mists. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Chemical-resistant protective gloves (EN 374). When prolonged or frequently repeated contact may occur, a glove is recommended to prevent contact. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). As general indication we suggest as suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness) and suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness). This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances-mixtures.

Eye Protection: Use close fitting safety goggles. (ref. EN 166, EN 140, EN175).

Skin and Body Protection: Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton. (ref. EN 340).

Respiratory Protection: Use adequate protective respiratory equipment. (ref. EN 136, EN 140, EN 141, EN 143, EN 149, EN 405)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear
Odor	: odorless
Odor Threshold	: Not determined
pH	: 4-6
Evaporation Rate	: Not available
Melting Point	: <0 °C
Freezing Point	: Not available
Boiling Point	: >100 °C
Flash Point	: >100 C
Auto-ignition Temperature	: Not determined
Decomposition Temperature	: Not determined
Flammability (solid, gas)	: None
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not determined
Relative Vapor Density at 20°C	: Not determined
Relative Density	: Not available
Specific Gravity	: 1.20-1.25

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Solubility	: Water: Dispersible
Partition Coefficient: N-Octanol/Water	: Not determined
Viscosity	: <100 cps

SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** Stable under normal conditions.
- 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. **Conditions to Avoid:** Stable under normal conditions.
- 10.5. **Incompatible Materials:** Strong oxidizers
- 10.6. **Hazardous Decomposition Products:** None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral):	Not determined
Acute Toxicity (Inhalation):	Not determined
Irritation / Corrosivity	Irritation Skin: repeated and prolonged contacts may cause slight irritation.
Sensitisation	Not determined
Repeated dose toxicity	Not determined
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Mutagenicity	Not determined
Toxicity for reproduction	Not determined
Reproductive toxicity	Not determined
Specific target organ toxicity - single exposure (GHS)	Not determined
Specific target organ toxicity - repeated exposure (GHS)	Not determined
Aspiration hazard	

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity	
Fish	LC50 Danio rerio/96 hours = data not available
Invertebrates	EC50/Daphnia Magna/48 hours = data not available
Persistence and degradability	data not available
Bioaccumulative potential	data not available
Mobility in soil	data not available
Results of PBT and vPvB assessment	data not available
Other adverse effects	None Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: If possible, recover the product, otherwise dispose of in authorized landfill or incineration in accordance with local regulation.

Additional Information: Rinse empty container with water and use rinse water to prepare the working solution. If recycling is not practicable, dispose of in compliance with local regulations.

Ecology - Waste Materials: Avoid release to the environment.

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SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
UN number	Not Classified	Not Classified	Not Classified
Proper Shipping Name			
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Safety, health, and environmental regulations/legislation specific for the substance or mixture:

OSHA Hazards Combustible Liquid, Irritant

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	----	----

SARA 311/312 - Hazard Categories:

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None		

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None		----

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

None

New Jersey Right To Know Components

None

California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

HMIS Classification **Health hazard: 1**
 Flammability: 1
 Physical hazards: 0
Personal Protection: C Safety glasses, gloves, chemical apron

NFPA Rating **Health hazard: 1**
 Fire: 1
 Reactivity Hazard: 0

The following sections contain revisions or new statements: 1-16.

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