

SAFETY DATA SHEET – U.S. DEPARTMENT OF LABOR

May be used to comply with Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200, Standard must be consulted for specific requirements (non-mandatory form) Form Approved OMB No. 1218-0072

Date Prepared: 12 10 2020

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Section 1: Identification of the Substance/Preparation and of the Company/Undertaking

1.1 Product Identifier

Trade Name: SoilBiotics eFISHnt 5-1-2 (for conventional and organic use)

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against It

Recommended Uses: Liquid Fish Plant Nutrient – Organic Fertilizer

Details of the Distributor of the Safety Data Sheet

Distributed By: SoilBiotics, 2902 West State Route 17, Kankakee, IL 60901, (815) 929-1752

1.1 In Case of Emergency: USA, Canada, Mexico call Infotrac at 1-800-535-5053

Section 2: Hazards Identification



DANGER HEALTH HAZARD

HARMFUL IF SWALLOWED

CAUSES MILD SKIN IRRITATION

CAUSES MILD IRRITATION TO EYES

MAY IRRITATE RESPIRATORY SYSTEM

Precautionary Statements:

- If Inhaled: Seek fresh air, wash out mouth with water and blow nose thoroughly. May cause allergy or asthma symptoms or breathing difficulty if inhaled.
- If Ingested: Wash out mouth thoroughly and seek medical attention
- If Contact with skin: Wash with soap and water – Remove contaminated clothing. Prolonged skin contact could result in dermatitis in sensitive individuals.
- If Contact with Eyes: Rinse cautiously with water for several minutes. Then remove contact lenses carefully. Then rinse with water for several minutes again.
- **If Any Irritations or Symptoms Persist:** Seek medical attention
- **Hazards not otherwise classified:** mild allergen.
- **Special hazard:** Corrosive
- Medical Conditions which are generally recognized as being aggravated by exposure: Populations with chronic respiratory, skin, or eye disease are at increased risk from exposure.

Section 3: Composition/Information on Ingredients

3.2 Mixtures

Substance	CAS No	EC No	REACH Reg No	Inclusion Rate	Notes	DSD- Classification	CLP - Classification
Proprietary							

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Inhalation: Seek fresh air. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: Wash out mouth thoroughly. Do not induce vomiting. If vomiting occurs, place on left side and keep head low. Seek medical help immediately.

Skin Contact: Wash the skin with soap & water. Remove contaminated clothing. Dispose of or launder clothing. Get medical attention if irritation develops or persists.

Eye Contact: Flush with water (preferably using eye wash equipment) while holding eye lids open. Remove contact lenses, if present and easy to remove. Continue rinsing. If eye irritation persists get medical attention/advise.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

Acute: skin, and mucous membrane irritation

Chronic: Prolonged skin contact could result in dermatitis in sensitive individuals

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed: Significant over exposure

4.4 Note to Physician: Medical providers are urged to contact a Regional Poison Center. Treat symptomatically and supportively.

4.5 General Advice: In the case of accident or if you feel unwell, seek medical advise immediately (show the label where possible). Show this safety data sheet to the doctor in attendance. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Section 5: Fire-Fighting Measures

5.1 Suitable Extinguishing Media: Class "B" fire extinguisher: Carbon dioxide, water, dry chemical or appropriate foam

5.2 Unsuitable Extinguishing Media: N/A

5.3 Specific Hazards arising from the chemical: Not Known

5.4 Special protective equipment and precautions for fire-fighters: Isolate the area from personnel. Keep personnel upwind from fire. Fire fighters should use appropriate SCBA while in close proximity to fire and vapors coming from product. Move personnel upwind of any smoke or vapors.

In the event of fire and or explosion – do not breath fumes.

5.5 Flammability/Explosivity:

Flammability conditions: if pH exceeds 5.0 there is a possibility of formulation of explosive mixture of gases. Tanks should be seasoned and well ventilated.

Flash Point, Smoke Point, Fire Point: NA

Flammable Limits: NA

NFPA Rating: Health = 0 Fire: 1 Reactivity: 0 Special Hazard: COR

5.6: Hazardous Decomposition Products: unknown

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures: Stop the source of the leak or release. Clean up the release as soon as possible, observing precautions in Personal Protective Equipment Section. Contain liquid to prevent further contamination of soil and surface water. Clean up small spills using appropriate techniques. Will cause

slippery surface. Employ normal sanitation procedures to reduce risk. Absorb material with clay, sawdust, or other material. Follow prescribed procedures for reporting and responding to larger releases.

6.3 Methods and Material for Containment and Clean Up: Clean up spilled material immediately, observing precautions in Section 8, Personal Protection. Place contaminated material in suitable labeled containers for recovery or disposal. Treat or dispose of water material in accordance with all local, regional, and national requirements.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling: Tanks must be well ventilated. Non-seasoned metal should be avoided. The pH should be monitored and adjusted as required. Tank contents should be circulated periodically. Tanks must be vented and purged with air before entry. Observe standard tank entry precautions.

7.2 Conditions for safe storage, including any incompatibilities: Store containers in a dry, well-ventilated area. Do not subject to freezing and keep out of direct sunlight. Any product left in containers should be stored with a well-fitting and tight lid.

7.3 Additional Information:

- Once the product is diluted for application it should be used as soon as possible. DO NOT store diluted product.
- DO NOT store product in direct sunlight as bacterial growth may occur.
- DO NOT leave product container open as evaporation will cause pH to rise and possibly increase the growth of bacteria.
- When in storage the pH level should remain around 4.
- You may reuse the packaging this product was shipped in IF rinsed out thoroughly with bleach water, rinsing three times, and letting it completely dry inside.
- Shake well before opening. Separation may occur during storage and shipments. Apply only when diluted with water. Do not store or save mixed solutions. Mixed solutions should be used within 24 hours.

Section 8: Exposure Controls/Personal Protection

8.1 Exposure Controls:

Appropriate Engineering: Use adequate ventilation. Supply sufficient replacement air to make up for air removed by the exhaust system.

Personal Protective Equipment:

Eye/Face Protection: Wear approved safety glasses/goggles with side shields or and an appropriate full-face shield if aerosols or mists are generated. All eye protection should be selected and worn in accordance with the OSHA eye and face protection guidelines outlined in 29 CFR 1910.132 and 1910.133.

Skin Protection: Wear appropriate clothing to prevent extended or chronic skin contact. Thoroughly decontaminate any articles of clothing that come into contact with product. All PPE should be selected and worn in accordance with 29 CFR 1910.132 and 1910.138.

Respiratory Protection: Respiratory protection is not required for normal use. Respiratory protection should be worn if aerosols or mists are generated. All respirators should be selected and worn in accordance with 29 CFR 1910.132 and 1910.134.

General Hygiene Considerations: Always observe food personal hygiene measures, such as washing after handling the material, before eating, drinking and or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Other Protective Clothing or Equipment: Gas monitoring equipment

General: Wear appropriate chemical protective equipment. Launder contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties:

Parameter	Value/Unit	Remark
Physical State: Liquid pH	(1:1 w/ Water): 3.0-4.5	3.8 in Concentrate Form
Appearance	Viscous Brown Liquid	
Odor	Fishy	
Melting Point		Not Applicable
Boiling Point	220F	
Freezing Point		
Flash Point (Method)		Not Applicable
Flammable Limits (LEL / UEL)		Not Applicable
Smoke Point		Not Applicable
Fire Point		Not Applicable
Evaporation Rate	(Butyl Acetate=1)0.8	
Vapour Pressure	mmHg	Unknown
Vapour Density	(Air=1)	Unknown
Specific Gravity	1.17	
Auto-Ignition Temperature	If pH Exceeds 5.0	Possibility of explosive gases
Decomposition Temperature		Unknown
Solubility in Water	100% Soluble	

Properties of this material will vary with actual composition.

Section 10: Stability and Reactivity

10.1 Reactivity: No data available

10.2 Chemical Stability: Stable under normal conditions

10.3 Possibility of Hazardous Reactions: Minimal

10.4 Conditions to Avoid: pH Above 5.0

10.5 Incompatible Materials: Alkali, Mild Steel

10.6 Hazardous Decomposition or By Products: Ammonia, Hydrogen Gas, Methane, Hydrogen sulfide

10.7 Hazardous Polymerization: Not known to occur

Section 11: Toxicological Information

11.1 Likely Routes of Entry:

Skin Corrosion/Irritation: May cause irritation

Serious Eye Damage/Eye Irritation: May cause irritation

Ingestion: Accidental may cause gastrointestinal irritation.

Inhalation: Unlikely unless aerosols are generated.

11.2 Symptoms related to physical, chemical and toxicological characteristics: Skin contact may cause dermal irritation

11.3 Delayed and immediate effects and also chronic effects from short and long term exposure: Chronic skin exposures can lead to dermatitis in sensitive individuals.

Section 12: Ecological Information

No data available at this time.

Section 13: Disposal Considerations

13.1 Waste Treatments Methods: It is the responsibility of the user to determine if disposal material is hazardous according to federal, state, and local regulations. Dispose waste in accordance with the federal, state and local laws and regulations.

Section 14: Transport Information

14.1 Shipping Name: Not Regulated

Section 15: Regulatory Information

No data available at this time.

Section 16: Other Information

Prepared by: SoilBiotics

The information and recommendations contained herein are offered as a service to our customers but are not intended to relieve the user from its responsibility to investigate and understand pertinent sources of information and to comply with all laws and procedures applicable to the safe handling and use of these materials. The information and recommendations proved herein were believed by SoilBiotics to be accurate at the time of preparation or obtained from sources believed to be generally reliable. However, SoilBiotics makes no warranty concerning their accuracy and SoilBiotics will not be liable for claims relating to any party's use of reliance on information or recommendations contained herein, regardless of whether it is claimed that the information or recommendations are inaccurate, incomplete or otherwise misleading.