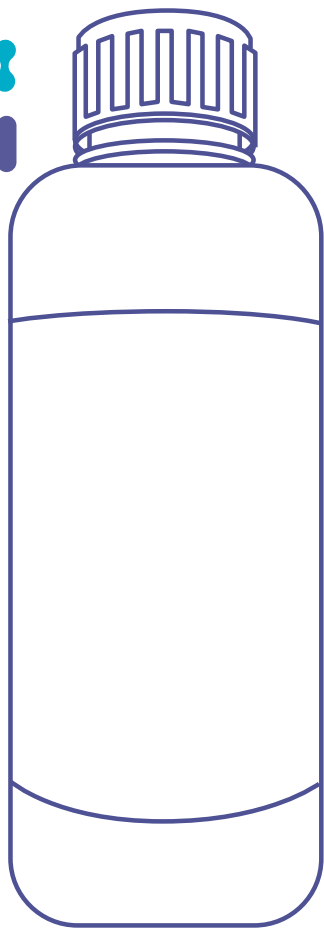


MATERIAL SAFETY DATA SHEET

LFS-1[®]



LAST REVISION

09 / 06 / 2018

LIVENTIA

THE POWER OF LIFE

I. PRODUCT IDENTIFICATION

Product Name:	LFS-1 [®]
Chemical Name:	Bacterial Additive
Chemical Family:	Bacterial
Formula:	Bacteria Blend
Manufacturer:	Micro-TES, Inc. 12500 Network, Suite 201 San Antonio, Texas 78249 (210) 558-4757

MICRO-TES, INC. D.B.A. LIVENTIA

II. GENERAL INFORMATION OF THE PRODUCT:



Commercial name:	LFS-1 [®]
Others:	Microorganisms of natural presence in the environment.

III. COMPONENTS IDENTIFICATION



Name of the components:	No. CAS	No. ONU
Microorganisms (<1%)	N/A	N/A
Aqueous solution (≈100%)	7732-18-5	N/A
Micronutrients (<1%)	N/A	N/A

CAS: Number granted by the Chemical Abstract Service, USA. **ONU:** Number granted by the Organization of the United Nations.

IV. EMERGENCY AND FIRST AID:



Eye contact: Wash with plenty of water at least 15 minutes. Go to the doctor.
Skin contact: Remove contaminated clothes and shoes, wash the skin with water.
Ingestion: Let the affected person breathe freely. Go to the doctor and show him the label of this product.
Inhalation: In case of presenting adverse symptoms, go where is fresh air. If symptoms persist, seek medical attention.
Other risks or effects: N/A.

V. RISKS OF FIRE AND EXPLOSION N / A



Fire fighting methods: (Apply only to the container) CO2, Dry chemical powder, or water.

Skin protection: Nitrile gloves, boots, apron or suit that should be worn when necessary.

Respiratory protection: Required only if the ventilation is not adequate.

General hygiene considerations: Wash your hands thoroughly after handling the product. Count with emergency showers and eyewash facilities that are available immediately. Wash contaminated clothes. Wear safety glasses or goggles.

VI. SPILL OR LEAK PROCEDURE



General procedure: Use the personal protection recommended in section VIII. Isolate the danger zone. Deny the entry to unnecessary and unprotected personnel. Retain the material and recover it in closed containers.

Minor spill: Absorb it and pack it in containers for disposal.

Major spill: Build a dam to contain the material, wash the remains with water.

Actions to minimize the damage to the population: Remove people from the area.

VII. HANDLING AND STORAGE:



Precautions for handling and storage:

Store in a cool (T <30 °C), ventilated, dry place, and keep the containers closed.

Other Precautions: Protect containers from heat and direct sunlight. Store them in the shade.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION.



Eye protection:	Protective lenses.
Hand protection:	Rubber gloves.
Respiratory protection:	None in particular.
Other recommendations:	None in particular.
Equipment of personal protection for extraordinary conditions:	Nitrile gloves, boots, apron or suit, that should be worn when necessary.
Ventilation:	Normal conditions.

IX. PHYSICOCHEMICAL PROPERTIES



The product is 100% an aqueous solution.

Boiling temperature:	Melting temperature	Inflammation Temperature
>100°C	<0°C	N/A
Autoignition temperature:	Relative density:	Vapor density
N/A	1.04 - 1.05	N/A
P.H. at 1 %	Molecular weight:	Physical state:
5.5 - 8.5	N/A	Liquid
Color:	Odor:	Evaporation rate:
Transparent	Characteristic	Similar to water
Solubility in water:	Steam pressure	% Volatility:
100%	N/A	N/A
Upper Flammability Limit.	Lower Flammability Limit	Lower Explosive Limit
N/A	N/A	N/A
Other properties:	N/A	

X. STABILITY AND REACTIVITY

Stability of the mixture: Stable.

Incompatibility: N/A.

Hazardous decomposition products: N/A.

XI. TOXICOLOGICAL INFORMATION.



ACUTE EXPOSURE

Ingestion:	May cause irritation and nausea.
Inhalación:	No detected so far
Contacto piel:	May cause allergies
Contacto ojos:	May cause moderate to severe irritation.

CHRONIC EXPOSITION

Ingestion:	May cause irritation and nausea.
Inhalation:	No detected so far
Skin contact:	May cause allergies
Eye contact:	May cause moderate to severe irritation.

Avoid the exposure of the product to open wounds.

XII. INFORMATION ABOUT ECOLOGY



Regulatory information:	N/A.
Waste disposal:	Dispose them according to local regulations.
Toxicological information:	N/A.
Complementary information:	ECOTOXICITY: There is no available information in this moment for the product.

XIII. INFORMATION RELATED TO DISPOSAL

There are no known risks for the elimination of the product where is legally allowed. Every process of elimination of the product must be carried out within the local regulations and avoiding any damage to the health, the environment and the performance of third parties.

Once used, discard the container.

Do not reuse the container.

XIV. INFORMATION RELATED TO TRANSPORTATION



UN Number:	There is no UN number for this specific product.
Regulatory information:	The transport unit will carry posters of the product.
Complementary information:	Transport them in closed containers and do not expose them directly to the sun
Protection for direct contact:	Protective lenses and rubber gloves.

XV. REGULATORY INFORMATION

The product (LFS-1[®]) is a mixture of beneficial microorganisms of natural presence in the environment. No negative effects on health or the environment have been detected when there is direct contact with the mixture and it is in good conditions.

XVI. OTHER INFORMATION

The information related to this product may be invalid if it is used in combination with other materials or in other processes. It is the user's responsibility to interpret and apply this information for their particular use. The information contained herein is offered only as a guide for the handling of this specific material and has been prepared in good faith by the personnel. This information is not intentional to be complete, even the way and conditions of use and handling may imply other considerations. It is essential to use the product under the supplier's directions.