

M.S.D.S.

1. Identification of the substance/preparation and company/undertaking.

NAME BIO- FLO

MSDS 14 EnvirolLogics
Laboratories

Synonyms: Cultured Living Bacteria

Common uses: Liquid odor control and degreaser/grease trap, drain and septic maintenance.

Manufacturer: EnvirolLogics Laboratories

Box 831414

Maricamp, Florida

34483-1414

Tel: 877.224.6356

Fax: 407.264.8469

Emergency No. (Office hours): 877.224.6356 Ext 707

Emergency No. (24 hours): 877.224.6356 Ext 709

2. Composition/information on ingredients.

Contains:

Concentrated Bacterial Cultures	48%	CAS	N/A
Water	33%	CAS	7732-18-5
Odor Control #10175	3.5%	CAS	N/A
Acusol™ Op301 Emulsion	3.5%	CAS	N/A
Nonylphenol Polyethylene Glycol Ether	10%	CAS	127087-87-0
Preservative	less than 1%	CAS	52-51-7
Odor Control #10123	1%	CAS	N/A

<u>Hazardous ingredient / impurity</u>	<u>% Conc.</u>	<u>Classification</u>	<u>Exposure</u>	<u>CAS</u>	<u>EINECS</u>
None					

3. Hazards identification.

Classification:

Bacterial culture non pathogenic, surfactant blend non hazardous.

4. First Aid measures.

Immediate medical attention is required in case of exposure by inhalation, contact with skin or eyes, or if swallowed.

<u>Exposure Route</u>	<u>Symptom</u>	<u>Treatment</u>
Inhalation	Same as exposure to mist	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.
Skin Contact	Redness and irritation	Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin is damaged or if irritation persists seek medical attention.

Skin: Wash after exposure.

Environmental controls: Users should be aware of environmental considerations and their duties under the environmental protection act.

Hygiene Measures: Always wash thoroughly after handling bacteria.

9. Physical & Chemical Properties.

Appearance	Water like liquid, white
Odor	Natron/Lemon
pH	Neutral 6.0 to 9.0
Boiling Point/range	Similar to water
Melting Point/range	Similar to water
Flash point	Not Applicable
Flammability	Not flammable under normal conditions of storage and handling.
Autoignition temperature	Not Applicable
Explosive limits	Not applicable
Oxidizing Properties	None
Vapour Pressure	Similar to water
Relative density	0.6 to 0.8
Solubility in water	Soluble. Disperses in water.
Solubility in solvent	Not soluble
Partition coefficient	Not Applicable
Viscosity	Similar to water
Vapor density	Similar to water
Evaporation rate	Similar to water
Conductivity	Same as water

10. Stability & Reactivity.

Stability: Stable under normal storage and handling conditions.

Conditions to avoid: Accumulations of product in enclosed spaces and generation of mist. Avoid contact with oxidising chemicals.

Materials to avoid: Acids and Alkalies may inactivate the bacterial cultures.

Hazardous decomposition products: oxides of carbon and sulphur

11. Toxicological Information.

Toxological effects: Low Acute oral toxicity .LD_{Lo}

LD₅₀ Greater than 2000 **oral-rat** **skin-rabbit**

12. Ecological Information.

Environmental Effects: Minimal impact under normal conditions of use and storage. The bacterial cultures are naturally occurring soil type organisms. The other components are unlikely to bioaccumulate and are biodegradable.

Mobility: disperses in water

L2100C USA

Degradability: contents are biodegradable

Bioaccumulative potential: Not Likely

Aquatic Toxicity: Not Known

13. Disposal considerations.

Substance: Via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

Container: As substance.

14. Transport Information. Not regulated for transport

UN number	Class
Primary Hazard	Subsidiary Hazard
Packing Group	Emergency Action Code
H.I. Number	Marine Pollutant
Proper Shipping name	Water treatment compounds, bacterial culture.

15. Regulatory Information.

Label Name BIO-SYSTEMS L2100C
Symbols no risk or safety phrases stipulated
Risk Phrases no risk or safety phrases stipulated
Safety Phrases no risk or safety phrases stipulated
E.C. No

Additional labelling:

Use of this material may be governed by the following regulations:- (users are advised to consult these regulations for further information).

The information contained in this data sheet does not constitute an assessment of workplace risks.

16. Other Information.

This material must not be used for direct contact with food:

Further details may be available upon request from your local Envirologics Laboratories distribution site.

Other: The product has been shown to be free of Salmonella and Shigella using the procedures outlined by AOAC and USDA.

Legal Disclaimer:

The above information in this MSDS was obtained from sources which we believe are reliable.