

SAFETY DATA SHEET

Section 1 – Manufacturer Information

Product Name:	Microbial Restoration F.O.G. Concentrate
Company Name:	Microbial Restoration Services, LLC
Address:	P.O. Box 9131 Gurnee, IL 60031
Phone Number:	847-849-0163
Emergency Phone Number:	Chemtrec: 800-424-9300
Revision No.:	2
Revision Date:	06/04/2015

Section 2 – Hazards Identification

Classification:

Classification of the product is in accordance with 29CFR 1910.1200

Acute Toxicity – Oral	Category 4
Acute Toxicity – Dermal	Category 4
Skin Sensitization	Category 1

Label Elements
Warning
HAZARD STATEMENTS:

May cause an allergic skin reaction

Causes eye irritation

May be harmful if swallowed

Causes skin irritation



Appearance: Opaque

Physical State: Liquid

Odor: Perfumed

Precautionary Statements – Prevention

Wear eye/face protection. Wear protective gloves. Avoid breathing dust/fumes/gas/mist/vapors/spray

Precautionary Statements – Response

Eyes	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
Skin	IF ON SKIN: Gently wash with plenty of soap and water.
Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary Statement – Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Precautionary Statements – Disposal

Dispose of unused product and container in accordance with all applicable local and regional requirements.

Hazards not otherwise classified (HNOC)

Not Applicable

Other Information

1	Health
1	Flammability
0	Reactivity

Section 3 – Composition/Information on Ingredients

Ingredient	CAS No.	Weight %
Water	7732-18-5	70-80%
Dodecyl Benzene Sulfonic Acid	68584-22-5	10-15%
Ethoxylated Alcohols, C9-C11	68439-46-3	1-5%
Viable Bacteria Cultures	Proprietary	1-5%
EDTA	64-02-8	1-5%
1,2-Benzisothiazole-3-(2H)-One	2634-33-5	<0.1%

The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4 – First Aid Measures

Note to Physician:	Treat symptomatically
Inhalation:	Move to fresh air
Skin Contact:	Wash off immediately with soap and plenty of water
Eye Contact:	Rinse immediately with plenty of water, including under eyelids, for at least 15 minutes
Ingestion:	Clean mouth with water and afterwards drink plenty of water
Main Symptoms:	No information available

Section 5 – Firefighting Measures

Suitable Extinguishing Media:	Water spray, alcohol resistant foam, dry chemical or CO ₂
Specific Hazards from Chemical:	No information available
Recommended Protective Equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Section 6 – Accidental Release Measures

Personal Precautions:	Ensure adequate ventilation
Environmental Precautions:	Spilled preparation should be removed immediately to avoid formation of dust from dried preparation. Take up by mechanical means preferably by a vacuum cleaner equipped with a high efficiency filter. Flush remainder carefully with plenty of water. Avoid splashing and high pressure washing (avoid formation of aerosols). Ensure sufficient ventilation. Wash contaminated clothing.
Methods for Clean Up:	Pick up and transfer to properly labelled containers.

Section 7 – Handling and Storage

Handling:	Handle in accordance with good industrial hygiene and safety practice.
Storage Conditions:	Keep containers tightly closed in a dry, cool and well-ventilated place.
Packaging Materials:	There could be many packaging types for this product. The details are give in other Microbial Restoration documents.
Incompatible Materials:	Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures.

Section 8 – Exposure Controls and Personal Protection

Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment that meets HEPA/P100 specifications
Hand Protection:	Protective gloves
Eye Protection:	Avoid contact with eyes
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety practices.
Environmental Exposure Controls:	Local authorities should be advised if significant spillages cannot be contained.

Section 9 – Physical Properties

Appearance	
Physical State	Liquid
Color	Opaque
Odor	Perfumed
Odor Threshold	No data available
Safety Data	
pH	No data available
Melting/Freezing Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Burning Rate 100mm	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	No data available
Water Solubility	No data available
Solubility in Other Solvents	No data available
Partition Coefficient (n-octanol/water)	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available
Other Information	
Softening Point	No data available
VOC Content	No data available
Density	No data available

Section 10 - Stability and Reactivity

Reactivity:	No data available
Chemical Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	Excessive temperatures below 32°F and above 155°F

Materials to Avoid: Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures.
Hazardous Decomposition Products: No data available
Possibility of Hazardous Reactions: No data available

Section 11 – Toxicological Information

Information on Likely Routes of Exposure

Inhalation | There is no data available for this product.
Eye Contact | Irritating to eyes.
Skin Contact | Prolonged or repeated contact may dry skin and cause irritation.
Ingestion | Ingestion may cause stomach discomfort.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water 7732-18-5	90 mL/kg Rat	90 mL/kg Rate	90 mL/kg Rat
Dodecyl Benzene Sulfonic Acid 68584-22-5	530 mg/kg Rat	530 mg/kg Rat	530 mg/kg Rat
Ethoxylated Alcohols, C9-C11 68439-46-3	1378 mg/kg Rat	> 2 g/kg Rabbit	-
EDTA 64-02-8	10 g/kg Rat	10 g/kg Rat	10 g/kg Rat
1,2 Benzisothiazole-3-(2H)-one 2634-33-5	1020 mg/kg Rat	1020 mg/kg Rat	1020 mg/kg Rat

Information on Toxicological Effects

Symptoms | No information available

Delayed and Immediate Effects as Well as Chronic Effects from Short and Long Term Exposure

Sensitization | No information available
Mutagenic Effects | No information available
Reproductive Effects | No information available
Specific Target Organ Systemic Toxicity (single exposure) | No information available
Specific Target Organ Systemic Toxicity (repeated exposure) | No information available
Chronic Toxicity | No information available
Aspiration Hazard | No information available

Section 12 – Ecological Information

Ecotoxicity

None known

Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Dodecyl Benzene Sulfonic Acid (68584-22-5)	-	-	EC50 = 5 mg/L 6h	EC50 = 2.9 mg/L 48h
EDTA (64-02-8)	EC50 = 1.01 mg/L 72h	-	-	EC50 = 610 mg/L 24h

Persistence/Degradability

The organic components of the product are biodegradable.

Bioaccumulation/Accumulation

No information available

Chemical Name	Log Pow
Dodecyl Benzene Sulfonic Acid (68584-22-5)	2
1,2-Benzisothiazole-3-(2H)-One (2634-33-5)	13

Other Adverse Effects

No information available

No known effect

Section 13 – Disposal Considerations

Waste Disposal:	Dispose of in accordance with local, state, federal, and international regulations.
Package Disposal:	Dispose of in an approved waste disposal facility.

Section 14 – Transportation Information
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DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
RID	Not regulated
ADR	Not regulated
AND	Not regulated

Section 15 – Regulatory Information
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USA, Federal Regulations**SARA 313:**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain and chemicals which are subject to the reporting requirements of the Act and 40 CFR Part 372.

SARA 311/312 Hazardous Categorization:

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

USA, State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

Canada**WHMIS Hazard Class:****WHMIS Statement:**

D2B Toxic Materials

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Graphic:**Section 16 – Additional Information****Revision Date:**

6/4/2015

Revision Summary:

New Layout

The information provided in this Safety Data Sheet is accurate to the best of Microbial Restoration Services' knowledge. No guarantees or liabilities are expressed or implied. Because users are most aware of the application of the product, they must ensure that proper personal protective equipment (PPE) is provided consistent with the information contained in the product SDS. This information is intended solely for the use of individuals trained in the particular hazard rating system. It does not release users from ensuring they are in conformity with all regulations linked to its activity.