

SAFETY DATA SHEET

Section 1 - Manufacturer Information

Product Name: Synthetic or Motor Oil Microbe (SMOM)
Company Name: Microbial Remediation of Florida
Address: 2501 27th Ave
Vero Beach, FL
32960
Phone Number: 772.501.3324
Emergency Phone: 911
Revision N.: 1
Revision Date: 09/13/2022

Section 2 - Hazards Identification

Classification of the product is in accordance with 29CFR 1910.1200

Acute Toxicity - Oral	Category 4
Acute Toxicity - Dermal	Category 2
Skin Sensitization	Category 2A

Label Elements: WARNING

HAZARD STATEMENTS:

Harmful if swallowed
Causes serious eye irritation
Causes skin irritation

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 able. Continue rinsing.

Skin: **If on skin:** gently wash with plenty of water and soap.

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 degrees C or 122 degrees F.

Precautionary Statement - 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

- 2 Health
- 0 Flammability
- 0 Reactivity
- E Protective Equipment

Section 3 - Composition/Information on Ingredients

Ingredient	CAS No.	Weight %
Water	7732-18-5	70-80%
Ethoxylated Alcohols, C9-C11	68439-46-3	10-15%
Dodecyl Benzene Sulfonic Acid	68584-22-5	1-5%
Viable Bacteria Cultures	Proprietary	1-5%
EDTA	64-02-8	< 0.5%
1,2-Benzisothiazole-3-(2H)-One	2634-33-5	< 0.05%

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 water incl. under eyelids for at least 15 minutes
Ingestion: Clean mouth with water and drink plenty of water afterwards.
Main Symptom: No info.

Section 5 - Firefighting Measures

Suitable Extinguishing Media: Water spray, alcohol resistant foam, dry chemical or CO2

Specific Hazards from Chemicals: No info.

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 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 labeled container.

Section 7 - Handling and Storage

Handling: Handle in accordance with good industrial hygiene and safety practice.

Storage Conditions: Keep in containers tightly closed, in dry, cool and well ventilated area.

Packaging Materials: There could be many packaging types for this product. The details are given in other Microbial Remediation 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: Opaque

Physical State: Liquid

Odor: Slight Fermentation Odor

No Data Available On:

- Odor threshold
- pH
- Melting/freezing point
- Evaporation rate
- Flammability (solid, gas)
- Burning rate 100mm
- Vapor pressure
- Vapor density
- Specific gravity
- Water solubility
- Solubility in other solvents
- Partition coefficient (n-octanol/water)
- Autoignition temperature
- Viscosity
- Explosive properties

- Oxidizing properties
- Softening point
- VOC content
- Density

Section 10 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.
 Conditions to avoid: Excessive temperatures below 32 degrees F and above 155 degrees F.
 Materials to avoid: Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures.

Hazardous Decomposition Products: No data
 Possibility of Hazardous Reactions: No data

Section 11 - Toxicological Information

Inhalation: No data
 Eye contact: Irritating to eyes
 Skin contact: Prolonged or repeated contact may cause dry skin and irritation.
 Ingestion: May cause stomach discomfort.

No data available on:

- Symptoms
- Delayed and immediate effects as well as chronic effects from long or short exposure.
- Sensitization
- Mutagenic effects
- Reproductive effects
- Specific target organ systemic toxicity (single/repeated exposure)
- Chronic toxicity
- Aspiration hazard

Section 12 - Ecological Information

Eco Toxicity: 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 info.

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 known effect / No data available

Section 13 - Disposal Considerations

Waste disposal: Dispose of in accordance with local, state, federal and international regulations.

Package disposal: Dispose of in an approved disposal facility.

Section 14 - Transportation Information

Not regulated:

- DOT
- TDG
- MEX
- ICAO
- IATA
- IMDG/IMO
- RID
- ADR
- AND

Section 15 - Regulatory Information

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:

D2B Toxic Materials

WHMIS Statement:

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

The information provided in this Safety Data Sheet is accurate to the best of Microbial Remediation of Florida's' 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.