



Safety Data Sheet MicroCarb™ Wastewater Treatment Supplement

Section 1 - Identification

Product Name: MicroCarb™

Product Use: Wastewater Treatment Supplement

Product Description: For use as a wastewater treatment supplement.

Supplier Details:

Environmental Business Specialists, LLC

1930 Surgi Drive

Mandeville, LA USA 70448

E-mail: info@ebsbiowizard.com

Website: www.ebsbiowizard.com

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Emergency Numbers:

Chemtrec: 800-424-9300

Phone: 985-674-0660

Fax: 985-674-3483

Section 2 - Hazard(s) Identification

GHS Classification(s):

Not classified under GHS.

Signal Word: None

Hazard Statements: Not a hazardous substance or mixture.

Precautionary Statements:

P102 Keep out of reach of children.

P233 Keep container tightly closed.

P264 Wash thoroughly after handling.

Other hazard information:

Physical/Chemical Hazards: No additional hazards.

Health Hazards: Contact with eyes may produce irritation and infection. May produce gastric distress upon ingestion.

Environmental Hazards: No additional hazards.

Section 3 - Composition/Information on Ingredients

Component	CAS#	% by Wt.
Glycerin	56-81-5	75 - 90%
Water	7732-18-5	6 - 14%
Sodium chloride	7647-14-5	4 - 9.9%
Soya fatty acids	68308-53-2	<= 1%
Methyl alcohol	67-56-1	<= 0.1

Section 4 - First Aid Measures

Inhalation: If inhaled, remove from area to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical attention. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

Skin Contact: In case of contact, remove contaminated clothing and shoes. Wash contact areas thoroughly with soap and water. Do not allow material to contact open wounds. If such contact occurs, wash with soap and water and apply a superficial disinfectant. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.

Eye Contact: In case of contact, do not rub eyes. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation develops and persists, seek medical attention.

Ingestion: If ingested, remove material from mouth and rinse with water. If victim is conscious and alert, give water or milk to dilute. Do not induce vomiting, unless directed by medical personnel. If gastric distress develops, seek medical attention.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media: Water mist, dry chemical, carbon dioxide (CO₂) and alcohol resistant foams.

Unsuitable Extinguishing Media: Direct water stream, foams may function but will be less effective.

Specific Hazards in case of fire: Not considered flammable but may burn at high temperatures. Product is not explosive.

Hazardous Combustion Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition, which may be toxic and/or irritating. May release formaldehyde upon decomposition. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde may cause respiratory and eye irritation.

Special Protective Equipment and Precaution for Fire Fighters: Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-approved self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Personal Precautions: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling.

Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Materials for Containment and Cleaning Up: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal.

Section 7 - Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Wash thoroughly after handling.

Conditions for Safe Storage, Including Incompatibilities: Store in a cool, well ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers.

Section 8 - Exposure Control/Personal Protection

Engineering Controls: General room ventilation and local exhaust are required. Maintain adequate ventilation. Avoid creating dust or mist. To keep exposure below established limits, local exhaust may be necessary.

Individual Protection Measures:

Eye/Face Protection: Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

Skin Protection: Prevent contact with this product. Wear gloves and protective clothing depending on the condition of use. Protective gloves: Chemical-resistant.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Other Protective Equipment: Eye-wash station. Safety shower. Protective clothing.

General Hygiene Conditions: Handle in accordance with good industrial hygiene and safety practice. Wash with soap and water before meal times and at the end of each work shift.

Section 9 - Physical and Chemical Properties

Physical State: Liquid.

Color: Colorless to brown.

Odor: Musty.

Odor Threshold: Not determined..

pH: 5.5 - 7.5

Melting Point: 0 - 20°C

Freezing Point: Not determined.

Boiling Point: 290°C at 1 atm

Flash Point: 160°C

Evaporation Rate: Not determined..

Flammable Limits: Not determined.

Burning Time: Not determined.

Burning Rate: Not determined.

Upper/Lower Flammability/Explosive Limits: Not determined.

Vapor Pressure: Not determined.

Vapor Density: Not determined.

Relative Density/Specific Gravity: 1.26 @ 20°C

Solubility in Water: Dispersible.

Partition Coefficient (n- octanol/water): Not determined.

Auto-Ignition Temperature: Not determined.

Decomposition Temperature: 280°C

Viscosity: 21 cP at 40°C

Section 10 - Stability and Reactivity

Reactivity: No data available.

Chemical Stability: Product is stable under recommended conditions of use and storage.

Possibility of hazardous reactions: Hazardous polymerization will not occur under normal conditions.

Conditions to avoid: Avoid elevated temperatures. Keep away from open flames, hot surfaces and sources of ignition. Do not freeze.

Materials to avoid: Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition Products: Carbon oxides. Toxic acrolein. Formaldehyde. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde may cause respiratory and eye irritation.

Section 11 - Toxicological Information

Routes of Exposure: Ingestion, skin contact, inhalation, eye contact.

Symptoms/Effects: Acute, Delayed and Chronic:

Eye Contact: May cause mild irritation. May cause: slight, temporary irritation.

Skin Contact: May cause mild irritation. Contact with heated material may cause thermal burns. Prolonged, repeated, or excessive contact may cause: mild irritation.

Skin Absorption: No data available.

Inhalation: May cause mild irritation. Vapor from heated material or mist may cause respiratory irritation. Excessive amounts of mist may irritate respiratory tract.

Ingestion: May cause mild irritation. Overexposure may cause gastrointestinal disturbances.

Numerical Measures of Toxicity:

Component	Oral LD50	Dermal LD50	Inhalation LC50
Glycerin	Rat 23000 mg/kg	Rabbit > 10 g/kg	1H Rat 570 mg/m
Sodium chloride	Rat 3 g/kg	No Data	> 42 g/m ³
Methyl alcohol	No Data	No Data	8H Rat 22500 ppm

Section 12 - Ecological Information

Aquatic Ecotoxicity:

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Glycerol	67,500.00, Oncorhynchus mykiss	10,000.00 Daphnia magna	N/A

Persistence and degradability: No data available.

Bioaccumulative potential: Not measured.

Mobility in soil: No data available.

Results of PBT and vPvB assessment: This product contains no PBT /vPvB chemicals.

Other adverse effects: No data available.

Section 13 - Disposal Considerations

Hazardous Waste Number: Not available.

Disposal Method: Dispose of in accordance with all local, state and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Do NOT dump into any sewers, on the ground, or into any body of water.

Section 14 - Transport Information

US DOT: Not regulated.

TDG: Not regulated.

IATA: Not regulated.

IMDG: Not regulated.

Section 15 - Regulatory Information

TSCA: All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Regulated Components:

Component	CAS #	CERCLA RQ	SARA 311	SARA 312	SARA 313
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No components found.

State of California, Proposition 65 - May Contain the Following Trace Components:

Propylene Oxide, Ethylene Oxide, Acetaldehyde, 1,4-Dioxane, Formaldehyde

Section 16 - Other Information

Hazard Rating System	Health	Flammability	Reactivity
	1	1	0

NFPA Rating System	Health	Flammability	Reactivity	Special Hazard
	1	1	0	None

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