



MicroC[®] 1000

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: MicroC[®] 1000 **Publication Date:** January 15, 2021
Product Code: NA **Replaces:** March 11, 2019
Product Use: A reducing agent for biological processes

Supplier Information:

Environmental Operating Solutions, Inc Phone: 508-743-8440
53 Portside Drive Fax: 844-308-5537
Pocasset, MA 02559 Website: www.microc.com

EMERGENCY TELEPHONE NUMBER: **CHEMTREC** **800-424-9300**

USE OF THIS PRODUCT FOR WATER TREATMENT IS PROTECTED BY UNITED STATES PATENT #7,144,509/ CANADIAN PATENT #2,476,025

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status: This product is not hazardous according to 29 CFR 1910.1200
GHS Regulatory Status: This product is not hazardous according to GHS categories

GHS Pictograms: None Applicable
Signal Word: None Applicable
GHS Hazard Classification: None Applicable
Hazard Statements: None Applicable

Potential Health Effects

Routes of Exposure Ingestion, inhalation, skin contact, eye contact
Eyes May cause minor irritation
Skin May cause minor irritation
Inhalation None known
Ingestion May be harmful if swallowed in large quantities

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS # | % by Weight |
|--------------------------|-----------|-------------|
| Trade Secret components* | n/a | 40-60% |
| Water | 7732-18-5 | 40-60% |

* The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret according to OSHA 1910.1200 Appendix E.

Safety Data Sheet

4. FIRST AID MEASURES

| | |
|--------------------------|---|
| Eye Contact | Immediately flush eyes thoroughly with plenty of water for 15 minutes while holding eyelids apart. |
| Skin Contact | Remove contaminated clothing and wash affected area with water and soap. |
| Inhalation | Remove individual to fresh air. |
| Ingestion | Immediately drink water to dilute. Never give anything to an unconscious person. Seek medical attention. |
| General Advice | If individual feels unwell following the exposure to the product consult a physician immediately. Present this Safety Data Sheet to the doctor in attendance. |
| Note to physician | Treat patient symptomatically |

5. FIRE FIGHTING MEASURES

| | |
|---|---|
| Flammability Summary (OSHA and NFPA) | Non-flammable Material |
| Protection of Firefighters: | Wear suitable protective equipment. Wear self contained breathing apparatus if necessary |
| Extinguishing Media | Use equipment appropriate to the main source of the fire. Water spray, alcohol foam, dry chemical or CO2. |
| Specific hazards arising from the chemical | None |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------------------|--|
| Personal Protection for Spills | Keep unnecessary personnel away from spill. Use personal protective equipment; gloves and eye protection recommended. Ventilate area of leak or spill. |
| Methods for Containment | Stop flow of material if safe to do so. Dike spilled material. Absorb spill with inert absorbent material. Sand, earth and vermiculite are suitable absorbent materials. |
| Environmental Precautions | Prevent further leakage. Contain spill if safe to do so. Do not let product enter storm drains if possible. |

7. HANDLING AND STORAGE

| | |
|---|--|
| Precautions for Safe Handling | See other relevant sections of this SDS. Avoid contact with skin and eyes. Use with adequate ventilation. Do not handle and store near open flames, high heat or sources of ignition |
| Storage | Keep containers closed when not in use. Avoid storage in extreme temperatures and in direct sunlight. |
| Incompatible Materials for Storage | Oxidizing agents. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

This product contains water and components whose specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Engineering Controls

None required other than preventing direct contact with product.

Personal Protective Equipment

Eye Protection:

Use normal eye protection practices such as safety glasses with side shields. Use chemical goggles if risk of splashing is high.

Skin Protection

Follow good industrial hygiene practices.

Respiratory Protection

Not required under foreseeable conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---------------------|-----------------------|---------------------------|-------------------------|
| Physical State | Liquid | Flash Point | None to Boil (ASTM D93) |
| Color | Clear/Yellow Liquid | Boiling Point | ~ 215°F |
| Odor | Mild soap odor | Evaporation Rate | Not determined |
| Odor Threshold | Not determined | UEL/LEL | Not determined |
| | | Flammability (solid, gas) | Not determined |
| pH | 4.5 – 7.5 | Vapor Pressure | Not determined |
| Solubility in Water | 100% | Vapor Density | Not determined |
| | | Relative Density | Not Determined |
| Bulk Density | 10.17 – 10.26 lbs/gal | Partition Coefficient | Not determined |
| Specific gravity | 1.22 – 1.23 @ 20°C | Autoignition Temperatures | Note determined |
| Viscosity | 20 cPs @ 20C | Decomposition Temperature | Not determined |

10. STABILITY AND REACTIVITY

Reactivity

Avoid contact with oxidizing agents

Chemical Stability

Stable under normal storage conditions

Possibility of hazardous reactions

None known

Conditions to Avoid

Heat, flames, sparks. Contact with oxidizing agents

Incompatible Materials

None known

Hazardous Decomposition Products

None known

11. TOXICOLOGY

| | |
|------------------------------|---|
| Eye Contact | Not known to be an eye irritant. Not absorbed through mucous membranes |
| Skin Contact | Not known to be a skin irritant. Not absorbed through skin. |
| Inhalation | Not known to be an inhalation hazard. |
| Ingestion | Ingestion of this product may be harmful if swallowed in large quantities |
| Target Organs | None |
| Prolonged Exposure | Not known to be a hazard. |
| Acute Toxicity | None known |
| Carcinogenicity | Not listed by ACGIH, IARC, NIOSH, NTP or OSHA |
| Mutagenicity | In vitro: NO positive evidence. In vivo: NO positive evidence. |
| Reproductive Toxicity | Not classified as a reproductive toxin by any authoritative body or regulatory agency |

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------------|-----------------------|
| Ecotoxicity | No information found |
| Persistence and degradability | Rapidly biodegradable |
| Bioaccumulative potential | No data available |
| Mobility in soil | Soluble in water |
| Other adverse effects | No data available |

13. DISPOSAL CONSIDERATIONS

This product as supplied is not classified as a RCRA hazardous waste according to 40 CFR 261. However it should be fully characterized prior to disposal as contamination with other materials may subject it to hazardous waste regulations. RCRA requires the user of the product to determine whether the product meets RCRA criteria for hazardous waste. Always consult with local, state and federal regulations prior to disposal.

14. TRANSPORTATION INFORMATION

| | |
|-------------------------|---|
| US Domestic DOT | Not Regulated |
| Shipping Name | Shipment of this product is not controlled by ICAO, USDOT or Canadian TDG regulations |
| IMDG | Not dangerous goods |
| IATA | Not dangerous goods |
| Marine pollutant | No |

15. REGULATORY INFORMATION

United States

Toxic Substances Control Act

The components of this product are listed on the TSCA Inventory of Existing Chemical Substances

Section 302 (EHS) TPQ Not applicable

Section 304 (EHS) TPQ Not applicable

SARA Section 311/312 Hazard Categories

- Acute - NO
- Chronic – NO
- Physical - None
- Pressure Hazard - NO
- Fire Hazard - NO

SARA Section 313 Not applicable

CERCLA Not applicable

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None

State Right to Know Regulations: No ingredients listed with any state.

16. ADDITIONAL INFORMATION

SDS REVISION STATUS: January 15, 2021| Replaces: March 11, 2019

THIS SAFETY DATA SHEET (SDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS SDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. WE BELIEVE THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF ITS PUBLICATION DATE, BUT MAKE NO WARRANTY THAT IT IS. IF THIS SDS IS MORE THAN THREE YEARS OLD YOU SHOULD CONTACT THE SUPPLIER TO MAKE CERTAIN THAT THE INFORMATION IS CURRENT.