

Safety Data Sheet

Section 1: Identification

Product Name: Microcarriers in storage buffer

Synonyms: Biopolymer Microcarriers

Product Code: NBMC001-350 mg

Manufacturer: Nexture Bio

Address: 1200 S Patton St, Xenia, OH, 45385 United States

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Use of the Product: Cell culture support, biomedical research

Section 2: Hazard Identification

Classification: Non-hazardous under normal handling conditions.

GHS Label Elements:

- **Pictograms:** None
- **Signal Word:** None
- **Hazard Statements:** No known significant effects or critical hazards.

Section 3: Composition/Information on Ingredients

Ingredients:

- CAS: 10043-52-4 (CaCl₂/Calcium Chloride). Content: 0.9-1%
- CAS: 7732-18-5 (H₂O/Water). Content: 95-99%
- Proprietary components. % Content: Trade Secret, plant proteins, plant polymers, salts.

Section 4: First Aid Measures

Inhalation: No specific treatment is required under normal conditions of use. If inhaled, move to fresh air.

Skin Contact: Wash with soap and water. If irritation persists, seek medical attention.

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. Seek medical advice if irritation persists.

Ingestion: Rinse the mouth with water and contact a doctor or poison center if symptoms persist

Section 5: Firefighting Measures

Flammability: Non-flammable.

Extinguishing Media: Use appropriate fire-extinguishing media for surrounding materials.

Firefighting Instructions: Wear protective clothing and a self-contained breathing apparatus.

Section 6: Accidental Release Measures

In case of accidental release, collect the product using a damp cloth or vacuum system. Dispose of according to local environmental regulations.

Section 7: Handling and Storage

Handling:

- Handle the microcarriers with gloves and protective eyewear.
- Do not eat, drink, or smoke while handling the product.

Storage:

- Store at or below 4°C, do not freeze.
- Keep the product in its sealed packaging until ready to use.
- Do not expose the product to excessive moisture or direct sunlight.

Section 8: Exposure Controls/Personal Protection

Personal Protection:

- Wear gloves, lab coat, and protective eyewear when handling.
- Ensure good ventilation when using the product in a laboratory setting.

Exposure Limits:

- No specific exposure limits have been established for the components in the product.

Section 9: Physical and Chemical Properties

Appearance: Microsphere, charcoal colored suspended in clear storage buffer.

Odor: Odorless.

pH: 6–8.

Solubility: Insoluble in water.

Melting Point/Boiling Point: Not applicable.

Section 10: Stability and Reactivity

Stability:

- Stable under recommended storage conditions.
- No hazardous reactivity is expected under typical laboratory conditions.

Reactivity:

- The microcarriers are stable and non-reactive under typical laboratory conditions.

Conditions to Avoid: None known.

Incompatible Materials: None known.

Section 11: Toxicological Information

Acute Toxicity: No data available. The individual components are not expected to pose acute toxicity under normal conditions of use.

Chronic Toxicity: No data available.

Skin Irritation: Not expected under normal handling conditions.

Eye Irritation: May cause mild irritation on contact.

Sensitization: No known sensitizing effects.

Section 12: Ecological Information

Ecotoxicity: No specific information is available. Components are not expected to be harmful to the environment.

Section 13: Disposal Considerations

Dispose of in accordance with local, regional, and national regulations. Microcarriers can be disposed of as regular laboratory waste (biological materials) unless otherwise specified.

Section 14: Transport Information

Transport Hazard Class: Not hazardous.

Packing Group: Not applicable.

Section 15: Regulatory Information

Classification: The product is not classified as hazardous under current regulations.

Safety, Health, and Environmental Regulations:

- Not listed on any major chemical inventories.
- No special regulatory requirements.

Section 16: Other Information

Sterility Disclaimer:

- The microcarriers have been sterilized and are sterile-packed.
- Handle in accordance with good industrial hygiene and safety practice.
- We recommend that you verify the sterility of the microcarriers upon receipt if sterility is critical to your application.