

# Safety Data Sheet

## Section 1: Identification

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**Product Name:** Nexture Bio Microcarrier

**Synonyms:** Biopolymer Microcarriers

**Product Code:** S-0010-350mg

**Manufacturer:** Nexture Bio

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

**Email Address:** info@nexturebio.com

**Phone Number:** +1 (813) 482-1729

**Emergency Contact:** Graeme Ross-Munro

**Use of the Product:** Cell culture support, biomedical research

## Section 2: Hazard Identification

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**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

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**Ingredients:**

- CAS: 10043-52-4 (CaCl<sub>2</sub>/Calcium Chloride). Content: 0.9-1%
- CAS: 7732-18-5 (H<sub>2</sub>O/Water). Content: 95-99%
- Proprietary components. % Content: Trade Secret, plant proteins, plant polymers, salts.

## Section 4: First Aid Measures

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**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

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**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

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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

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### 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

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### 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

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**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

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### **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

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**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

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

## Section 13: Disposal Considerations

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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

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**Transport Hazard Class:** Not hazardous.

**Packing Group:** Not applicable.

## Section 15: Regulatory Information

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**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

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**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.