



## Material Safety Data Sheet

Date Updated: 10/2014

Version: 3

MSDS # 7

### Section 1- Product and Company Information

|                                  |   |
|----------------------------------|---|
| <b>Product Name</b>              | Fetal Bovine Serum (FBS)                      |
| <b>Product Number</b>            | SER-500, SER-100                              |
| <b>Company</b>                   | ZenBio, Inc                                   |
| <b>Street Address</b>            | 3200 East North Carolina Highway 54 Suite 100 |
| <b>City, State, Zip, Country</b> | Research Triangle Park, NC 27709 USA          |
| <b>Technical Phone</b>           | (919) 547-0692                                |
| <b>Emergency Phone</b>           | Toll free (866) 234-7673 or (919) 547-0692    |
| <b>FAX</b>                       | (919) 547-0693                                |

### Section 2- Composition/Information on Ingredients

Fetal bovine serum and bovine calf serum are considered non-hazardous per 21 CFR 1910.1200. Since workers differ in sensitivity to animal derived materials, Zen-Bio recommends that Good Laboratory Practices be exercised when using these products, including the use of gloves, eye protection, and a lab coat.

### Section 3 Hazards Identification

Potential Health Effects:

|                    |   |
|--------------------|---|
| <b>EYE</b>         | May cause irritation of the eye.  |
| <b>SKIN:</b>       | May cause skin irritation   |
| <b>INHALATION:</b> | No toxicity expected from inhalation  |
| <b>INGESTION:</b>  | Mildly irritating to mouth, throat and stomach. May cause abdominal discomfort. |

### Section 4 First Aid Measures

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### Section 5 Fire Fighting Measures

Not applicable. Standard equipment is sufficient.

### Section 6 Accidental Release Measures

Use of these products in accordance with Good Laboratory Practices should not result in explosive mixtures being formed.

**SPILL CLEANUP:** Absorb spill. Common absorbent materials should be effective. Deposit in appropriate containers for removal and disposal.

### Section 7 Handling and Storage

Store at -20- +8°C. Keep closed or covered when not in use.

### Section 8 Exposure Controls/Personal Protective Equipment

Respiratory protection, ventilation, protective gloves are not required under normal product usage. Area ventilation is usually adequate.

### Section 9 Physical and Chemical Properties

Physical state is clear liquid. Store at -20°C until ready for use.

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**Section 10 Stability and Reactivity**

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Use of these products in accordance with Good Laboratory Practices should not result in explosive mixtures being formed. Product is stable under normal conditions of use.

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**Section 11 Toxicological Information**

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No information available.

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**Section 12 Ecological Information**

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No information available.

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**Section 13 Disposal Considerations**

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In case of spill, absorb and dispose of waste in accordance with all federal, state and local environmental regulations.

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**Section 14 Transport Information**

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This substance is considered to be non-hazardous for ground or air transport.

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**Section 15 Regulatory Information**

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Not applicable.

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**Section 16 Other Information**

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**Disclaimer:**

For research use only. Not for clinical, drug, household or other uses.

**Warranty:**

The above information is believed to be correct to the best of our knowledge, but does not purport to be all-inclusive and shall be used only as a guide. Zen-Bio shall have no liability for any direct, indirect, consequential or incidental damages arising out of the use, the results of use, the inability to use, the handling or contact with these products.