

1. Identification of the substance/mixture and of the company

- 1.1. Product name: Basal Medium for Custom-order, Ex-1 (Expansion-1 for MSC, T cell lymphoma cell line, fibroblast and other proliferation cells)
- 1.2. Other Product name: BMC Ex-1
- 1.3. Catalog No.: ME-09A00112
- 1.4. Uses and restrictions: For research use only. Not for use in diagnostic or therapeutic applications
- 1.5. Manufacturer/Supplier:

Myoridge Co.Ltd.

46-29, Yoshidashimoadachi-cho,
Sakyo-ku, Kyoto, 606-8501, Japan

1.6. In Case of Emergency:

- For medical emergencies, contact your local emergency center.
- For transportation emergencies, contact your local transportation authorities.
- For other non-medical or non-environmental emergencies please call +81-90-3706-6496, 9:00 am-5:00 pm JST, Monday – Friday.

2. HAZARDS IDENTIFICATION

- 2.1. Classification: This product contains no substances which at their given concentration, are considered to be hazardous to health.
- 2.2. Hazards not otherwise classified (HNOC) or not covered by GHS None

3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1. Chemical Name: Not applicable
- 3.2. Synonyms: Not applicable
- 3.3. Chemical Formula: Not applicable.
- 3.4. Molecular Weight: Not applicable.
- 3.5. CAS Number: Not applicable

4. FIRST AID MEASURES

4.1. First Aid Instructions

- General Advice Move out of exposure area. Consult a physician.
- Eyes Check for and remove contact lenses immediately and flush thoroughly with water for at least 15 minutes. Call a physician.
- Skin Immediately flush skin with copious amounts of water. Remove contaminated clothing and shoes and wash before use. Wash off with soap.
- Ingestion If swallowed, wash mouth out with water provided person is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician.
- Inhalation If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is

difficult, call a physician.

- Puncture Wounds Wash thoroughly with soap and water. Allow wound to bleed freely. Contact a physician.

4.2. Indications of immediate medical attention and special treatment needed: No data available.

5. FIRE FIGHTING MEASURES

5.1. Suitable extinguishing media:

- Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Specific hazards arising from the chemical: No data available.

5.3. Special protective equipment and precautions for fire-fighters:

- Wear self contained breathing apparatus and full turnout gear for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment, and emergency procedures:

- Avoid direct contact with skin or eyes and prevent inhalation of vapors, dust, mist or gas. Ensure adequate ventilation.

6.2. Environmental Precautions: Do not let product enter drain.

6.3. Methods for containment and clean up Keep in suitable, closed containers for disposal.

- Use absorbent, non-reactive material to contain liquid spill. Dispose of absorbent material used to clean spills in accordance with federal, state, and local environmental control regulations.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

- Avoid inhalation, contact with eyes, skin, and clothing.
- Keep in well ventilated area

7.2. Conditions for safe storage, including any incompatibilities

- Store at -20°C. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters No known occupational exposure limits values.

8.2. Appropriate engineering controls Safety shower and eye bath. Mechanical exhaust required.

8.3. Protection measures and Personal Protective Equipment Handle in accordance with good industrial hygiene and safety practices.

- Respiratory Protection Respiratory protection is not required.
- Eye Protection Chemical safety goggles.
- Skin Protection Protective gloves and lab coat. Wash thoroughly after handling.

9. PHYSICAL/CHEMICAL PROPERTIES

9.1. Appearance: Red frozen liquid.

9.2. Odor: No data available.

9.3. Odor Threshold: No data available.

- 9.4. pH: No data available.
- 9.5. Melting point/freezing point: No data available.
- 9.6. Initial boiling point and boiling range: No data available.
- 9.7. Flash point: No data available.
- 9.8. Evaporation rate: No data available.
- 9.9. Flammability (solid, gas): No data available.
- 9.10. Upper/lower flammability or explosive limits: No data available.
- 9.11. Vapor pressure: No data available.
- 9.12. Vapor density: No data available.
- 9.13. Relative density: No data available.
- 9.14. Solubility(ies): No data available.
- 9.15. Partition coefficient: noctanol/water No data available.
- 9.16. Auto-ignition temperature: No data available.
- 9.17. Decomposition temperature: No data available.
- 9.18. Viscosity: No data available.
- 9.19. Explosive properties: No data available.
- 9.20. Oxidizing properties: No data available.

10. STABILITY/REACTIVITY

- 10.1. Reactivity: No data available.
- 10.2. Chemical Stability: No data available.
- 10.3. Possibility of hazardous reactions: No data available.
- 10.4. Conditions to Avoid: Direct sunlight, UV radiation, dust, excess heat, fume and mist.
- 10.5. Incompatible materials: Strong oxidizing agents/strong reducing agents, strong acids/strong bases.
- 10.6. Hazardous decomposition products: No data available.

11. TOXICOLOGICAL INFORMATION

- 11.1. Toxicological effects No data available.
 - Acute toxicity: No data available.
 - Skin corrosion/irritation: No data available.
 - Serious eye damage/eye irritation: No data available.
 - Respiratory or skin sensitization: No data available.
 - Germ cell mutagenicity: No data available.
 - Carcinogenicity: No data available.
 - Reproductive Toxicity: No data available.
 - Specific target organ toxicity - single exposure: No data available.
 - Specific target organ toxicity - repeated exposure: No data available.
 - Aspiration hazard: No data available.
- 11.2. Symptoms related to the physical, chemical and toxicological characteristics: No data available.
- 11.3. Effects of Short-Term Exposure: No data available.
- 11.4. Effects of Long-Term Exposure: No data available.

11.5. Numerical measures of toxicity: No data available.

11.6. Other Information: None.

12. ECOLOGICAL INFORMATION

12.1. Toxicity No data available.

12.2. Persistence and degradability No data available.

12.3. Bioaccumulative potential No data available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment No data available.

12.6. Other adverse effects No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Disposal Method Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

13.2. Personal safety Refer to section 8.

14. TRANSPORT INFORMATION

This product is considered non-hazardous for transport.

15. REGULATORY INFORMATION

U.S. Federal Regulations

- SARA 313 components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels.
- SARA 302 components: Does not contain any components subject to reporting.
- SARA 311/312 Hazards: Not hazardous.
- Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61): Does not contain any components subject to reporting.

U.S. State Regulations

- California Proposition 65: Does not contain any components subject to reporting.
- Massachusetts Right To Know Components: Does not contain any components subject to reporting.
- Pennsylvania Right To Know Components: Does not contain any components subject to reporting.
- New Jersey Right To Know Components: Does not contain any components subject to reporting.

WHMIS Hazard Class: Does not contain any components subject to reporting.

16. OTHER INFORMATION

- The information contained in this document is based on Material Safety Data Sheet provided by the manufacturer.
- The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.
- The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions.
- It does not represent any guarantee of the properties of the product.

- Myoridge Co.Ltd. shall not be held liable for any damage resulting from handling or from contact with the product.

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