1. IDENTIFICATION

1.1. Product Name: Renaissance™ Essential Tumor Medium (RETM)
1.2. Catalog Number: CM0001
1.3. Uses and restrictions: For research use only. Not for use in diagnostic or therapeutic applications
1.4. Manufacturer/Supplier: Cellaria Biosciences, LLC
   ☎ 617.981.4208
   ✉ support@cellariabio.com
1.5. 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 (617) 245-0030, 8:00 am-4:00 pm EST, Monday – Friday.

2. HAZARDS IDENTIFICATION

2.1. Classification: GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
   • Acute toxicity, Oral (Category 5), H303
   • Skin irritation (Category 2), H315
   • Eye irritation (Category 2), H319
   • Specific target organ toxicity – single exposure (Category 3), respiratory system, H335

2.2. Signal Word: Warning
2.3. Symbol

2.4. Hazard Statement(s):
   • H303: May be harmful if swallowed.
   • H315: Causes skin irritation.
   • H319: Causes serious eye irritation.
   • H335: May cause respiratory irritation.

2.5. Precautionary Statement(s):
   • P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
   • P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.6. Hazards not otherwise classified (HNOC) or not covered by GHS: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Chemical Name: Renaissance™ Essential Tumor Medium (RETM)
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. Most Important Symptoms/effects, acute and immediate: Described in section 2.

4.3. 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: Use personal protective equipment (see section 8). Avoid direct contact with skin or eyes and prevent inhalation of dust. Ensure adequate ventilation.

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

6.3. Methods and materials for containment and clean up: Keep in suitable, closed containers for disposal. Dispose of absorbent material used to clean spills in accordance with local, state, and federal regulations.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling: Avoid inhalation, contact with eyes, skin, and clothing.

7.2. Conditions for safe storage, including any incompatibilities: Store basal medium at 4°C. Store supplement at -20°C.
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. Wash thoroughly after handling.

- Respiratory Protection
  Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) particle respirator.

- Eye Protection
  Chemical safety goggles.

- Skin Protection
  Protective gloves and lab coat.

9. PHYSICAL/CHEMICAL PROPERTIES

9.1. Appearance
Liquid and frozen solution.

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.

No data available.

9.15. Partition coefficient: n-octanol/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
This product is stable.
10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to Avoid
Not available.

10.5. Incompatible materials
Dimethyl sulfate, acid chlorides, halogenated hydrocarbons, metal, acids

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
• IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
• ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
• NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.
• OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

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
Harmful if absorbed through skin.

12. ECOLOGICAL INFORMATION

12.1. Toxicity
No data available.
SAFETY DATA SHEET

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
Class D-2A: Material causing other toxic effects (very toxic)

16. OTHER INFORMATION
Notice
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. Cellaria, LLC. shall not be held liable for any damage resulting from handling or from contact with the product. See Cellaria, LLC. website for terms and conditions of sale.