

Safety Data Sheet

Section 1: Identification

- 1.1. Product identifier
 - 1.1.1. Product Name: Rappaport-Vassilidias (RV) R10 Broth
 - 1.1.2. Product Number: M265
- 1.2. Recommended use of product
 - 1.2.1. Culture medium. Intended for laboratory use only.
- 1.3. Company information
 - 1.3.1. Manufacturer: Millennium LifeSciences, Inc.
 - 1.3.2. Address: 970 E. Orangethorpe Ave. Unit A
Anaheim, CA 92801
 - 1.3.3. Phone: 714.773.1726
 - 1.3.4. Emergency phone: 714.773.1726
 - 1.3.5. Email: info@mlscmc.com

Section 2: Hazard(s) Identification

- 2.1. Classification of the substance or mixture
 - 2.1.1. Hazard classification:
 - 2.1.1.1. Reproductive Toxicity: Category 2
 - 2.1.2. Additional information
- 2.2. GHS Label elements, including precautionary statements
 - 2.2.1. Pictograms:



- 2.2.2. Signal word:
 - 2.2.2.1. Warning
 - 2.2.3. Hazard statement(s):
 - 2.2.3.1. Suspected of damaging fertility or the unborn child.
 - 2.2.4. Precautionary statements:
 - 2.2.4.1. P101: If medical advice is needed, have product container or label at hand.
 - 2.2.4.2. P102: Keep out of reach of children.
 - 2.2.4.3. P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment.
 - 2.2.5. Substances that contribute to the classification:
 - 2.2.5.1. Malachite green oxalate, CAS No. 2437-29-8
- 2.3. Other hazards:
 - 2.3.1. Contains material(s) which may damage fertility or the unborn child.
 - 2.3.2. Dust may be irritating if inhaled.

Section 3: Composition/Information on Ingredients

- 3.1. Substances

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3.1.1. Not applicable, mixture.

3.2. Mixtures

3.2.1. This product is a mixture of the substances listed below with the addition of non-hazardous materials.

Component	CAS No.	EC No.	Registration Number	Classification	Concentration
Malachite green oxalate	2437-29-8	219-441-7	602-096-00-5	Repr. 2: H361d; Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	<0.5%

Section 4: First-Aid Measures

4.1. First-aid measures

4.1.1. General

4.1.1.1. When symptoms persist, seek medical attention.

4.1.1.2. In general, this product is not hazardous to humans or animals, but like any other chemical, it should be treated with care, respect, and common sense.

4.1.2. Inhalation

4.1.2.1. Move the exposed person to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.

4.1.3. Eye contact

4.1.3.1. Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.

4.1.4. Skin contact

4.1.4.1. Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.

4.1.5. Ingestion

4.1.5.1. Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

4.2.1. Inhalation:

4.2.1.1. May cause irritation to respiratory system.

4.2.2. Eye contact:

4.2.2.1. May cause irritation to eyes.

4.2.3. Skin contact:

4.2.3.1. May cause irritation to skin.

4.2.4. Ingestion:

4.2.4.1. Ingestion may cause nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

4.3.1. Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.

Section 5: Fire-Fighting Measures

5.1. Suitable Extinguishing Media

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- 5.1.1. Use extinguishing media appropriate to the surrounding fire conditions.
- 5.2. Special hazards arising from the substance or mixture
 - 5.2.1. Smoke from fires is toxic. Take precautions to protect personnel from exposure.
 - 5.2.2. Avoid formation of dust. Do not allow undiluted product to be released to ground water, water course, or sewage system.
- 5.3. Recommendations for firefighters
 - 5.3.1. Do not breathe dust or vapor. Wear self-contained breathing apparatus and chemical-protective clothing.

Section 6: Accidental Release Measures

- 6.1. Personal precautions, protective equipment, and emergency procedures
 - 6.1.1. Avoid formation of dust.
 - 6.1.2. Use as appropriate: Protective equipment, protective clothing.
 - 6.1.3. Ensure adequate ventilation of the working area.
 - 6.1.4. Avoid prolonged or repeated exposure.
- 6.2. Environmental Precautions
 - 6.2.1. Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.
- 6.3. Methods and materials used for containment and cleanup
 - 6.3.1. Avoid formation of dust. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

Section 7: Handling and Storage

- 7.1. Precautions for safe handling
 - 7.1.1. Do not ingest.
 - 7.1.2. Do not breathe vapor.
 - 7.1.3. Avoid contact with eyes, skin, and clothing.
 - 7.1.4. Do not eat, drink, smoke, or apply cosmetics when using this product.
 - 7.1.5. Avoid prolonged or repeated exposure.
 - 7.1.6. Do not use if skin is cut or scratched.
 - 7.1.7. Wash hands thoroughly after using this substance.
 - 7.1.8. Ensure adequate ventilation.
- 7.2. Conditions for safe storage, including any incompatibilities
 - 7.2.1. Store at temperatures not exceeding 30°C.
 - 7.2.2. Protect from moisture.

Section 8: Exposure Controls/Personal Protection

- 8.1. Control parameters
 - 8.1.1. No occupational exposure limits known.
- 8.2. Exposure controls

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- 8.2.1. Appropriate engineering controls:
 - 8.2.1.1. Ensure adequate ventilation of the working area.
- 8.2.2. Individual protection measures:
 - 8.2.2.1. Use as appropriate: Protective equipment.
- 8.2.3. Eye/face protection:
 - 8.2.3.1. Use as appropriate: Suitable eye protection.
- 8.2.4. Skin protection – Hand protection:
 - 8.2.4.1. Use as appropriate: Chemical-resistant gloves made by any waterproof material. Wash the outside of gloves before removing them.
- 8.2.5. Skin protection – Other:
 - 8.2.5.1. Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.
- 8.2.6. Respiratory protection:
 - 8.2.6.1. In case of insufficient ventilation, wear suitable respiratory equipment. Dust may be irritating if inhaled.
- 8.2.7. Occupational exposure controls:
 - 8.2.7.1. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

Section 9: Physical and Chemical Properties

- 9.1. Information on physical and chemical properties
 - 9.1.1. Appearance: Light green, free-flowing powder.
 - 9.1.2. Odor: No information available.
 - 9.1.3. Odor threshold: No information available.
 - 9.1.4. pH: 4.9-5.3
 - 9.1.5. Melting point/Range: No information available.
 - 9.1.6. Boiling point/Range: Not determined
 - 9.1.7. Flashpoint: No information available.
 - 9.1.8. Evaporation Rate: No information available.
 - 9.1.9. Flammability: No information available.
 - 9.1.10. Vapor Pressure: No information available.
 - 9.1.11. Vapor Density: No information available.
 - 9.1.12. Relative Density: No information available.
 - 9.1.13. Solubility in water: Completely soluble in water.
 - 9.1.14. Partition Coefficient (n-Octanol/Water): No information available.
 - 9.1.15. Autoignition Temperature: No information available.
 - 9.1.16. Decomposition temperature: No information available.
 - 9.1.17. Explosive Properties: Product does not present an explosion hazard
 - 9.1.18. Oxidizing Properties: Product is not classified as an oxidizer
 - 9.1.19. Viscosity: No information available.
- 9.2. Other information:

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9.2.1. No information available.

Section 10: Stability and Reactivity

10.1. Reactivity

10.1.1. Stable under normal conditions.

10.2. Chemical stability

10.2.1. Considered stable under normal conditions.

10.3. Possibility of hazardous reactions

10.3.1. No hazardous reactions known if used for its intended purpose.

10.4. Conditions to avoid

10.4.1. Keep away from extreme temperatures. Protect from moisture.

10.5. Incompatible materials

10.5.1. No data available.

10.6. Hazardous decomposition products

10.6.1. Decomposition products may include carbon oxides.

Section 11: Toxicological Information

11.1. Information on toxicological effects

11.1.1. Acute toxicity:

11.1.1.1. Based on available data, the classification criteria are not met.

11.1.2. Contact with skin

11.1.2.1. May cause irritation to skin.

11.1.3. Contact with eyes

11.1.3.1. May cause irritation to eyes.

11.1.4. Ingestion:

11.1.4.1. May cause allergic reactions in susceptible people.

11.1.5. Inhalation:

11.1.5.1. May cause allergic reactions in susceptible people.

11.1.6. Carcinogenicity:

11.1.6.1. Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens.

11.1.6.2. Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112.

11.1.6.3. Not listed in OSHA standard 1910.1003 Carcinogens.

11.1.7. Mutagenicity:

11.1.7.1. No evidence of mutagenic effects

11.1.8. Teratogenicity:

11.1.8.1. No teratogenic effects reported.

11.1.9. STOT-single exposure:

11.1.9.1. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

11.1.10. STOT-repeated exposure:

11.1.10.1. No significant hazard.

11.1.11. Aspiration hazard:

11.1.11.1. No significant hazard.

11.1.12. Repeated or prolonged exposure:

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- 11.1.12.1. Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

Section 12: Ecological Information

- 12.1. Toxicity:
12.1.1. No data available.
- 12.2. Persistence and degradability:
12.2.1. No information available.
- 12.3. Bioaccumulation Potential:
12.3.1. No information available.
- 12.4. Mobility in soil:
12.4.1. No information available.
- 12.5. Results of PBT and vPvB assessment
12.5.1. Not a PBT according to REACH annex XIII
12.5.2. PBT/vPvB assessment not available
- 12.6. Other adverse effects
12.6.1. To the best of our knowledge, the properties of this material have not been fully evaluated
- 12.7. Further information:
12.7.1. Keep out of lakes, ponds, or streams.

Section 13: Disposal Considerations

- 13.1. Waste treatment methods
13.1.1. Disposal should be in accordance with local, state, or national legislation.
- 13.2. Contaminated packaging
13.2.1. Dispose of as unused product.

Section 14: Transport Information

- 14.1. UN number: Not classified as hazardous for transport
- 14.2. UN proper shipping name: Not applicable
- 14.3. Transport hazard class(es): Not applicable
- 14.4. Packing group number: Not applicable
- 14.5. Environmental hazards: Not classified
- 14.6. Special precautions for user: Not classified.
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not classified.
- 14.8. Domestic Surface Transport (US DOT)
14.8.1. Proper Shipping Name: Not applicable
14.8.2. DOT UN No.: Not applicable
14.8.3. DOT Hazard Class: Not applicable
14.8.4. DOT Packaging Group: Not applicable
- 14.9. International Road/Rail (ADR/RID)
14.9.1. Proper Shipping Name: Not applicable
14.9.2. ADR UN No.: Not applicable

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- 14.9.3. ADR Hazard Class: Not applicable
- 14.9.4. ADR Packing Group: Not applicable
- 14.9.5. Tunnel Code: Not applicable
- 14.10. Ocean/Sea (IMO/MDG)
 - 14.10.1. Proper Shipping Name: Not applicable
 - 14.10.2. IMDG UN No.: Not applicable
 - 14.10.3. IMDG Hazard Class: Not applicable
 - 14.10.4. IMDG Pack Group.: Not applicable
- 14.11. Air (ICAO/IATA)
 - 14.11.1. Proper Shipping Name: Not applicable
 - 14.11.2. ICAO Un No.: Not applicable
 - 14.11.3. ICAO Hazard Class: Not applicable
 - 14.11.4. ICAO Packing Group: Not applicable

The product is not classified as dangerous for carriage.

Section: 15: Regulatory Information

- 15.1. Safety, health, and environmental regulations/legislation specific for the substance or mixture
 - 15.1.1. This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010 and OSHA Hazard Communication Standard 29 CFR 1910.1200.
 - 15.1.2. Regulation (EC) No. 1272/2008 on the classification, labelling, and packaging of substances and mixtures (CLP Regulation) applies in Europe.
- 15.2. Chemical Safety Assessment: No information available
- 15.3. United States Regulatory Information
 - 15.3.1. Domestic/Non-Domestic Substances Lists (DSL/NDL)
 - 15.3.1.1. All ingredients listed or exempt, no restrictions.
 - 15.3.2. Toxic Substances Control Act (TSCA)
 - 15.3.2.1. This product contains one or more components that are not listed or exempt from listing on the inventory administered by the governing country.
 - 15.3.3. Massachusetts Right to Know Components
 - 15.3.3.1. This product contains no hazardous substances at or above published reporting levels.
 - 15.3.4. New Jersey Worker and Community Right to Know Act
 - 15.3.4.1. This product contains no hazardous substances at or above published reporting levels.
 - 15.3.5. Pennsylvania Right to Know Law
 - 15.3.5.1. This product contains no hazardous substances at or above published reporting levels.
 - 15.3.6. Rhode Island Right-to-Know General Law
 - 15.3.6.1. This product contains no hazardous substances at or above published reporting levels.
 - 15.3.7. SARA 302 Components
 - 15.3.7.1. This product does not contain any components with a section 302 EHS TPQ.
 - 15.3.8. SARA 313 Components
 - 15.3.8.1. This product does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
 - 15.3.9. SARA 311/312 Components
 - 15.3.9.1. No SARA Hazards.
 - 15.3.10. California Prop 65
 - 15.3.10.1. This product does not contain reportable substances at >0.0001% concentration.

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Section 16: Other Information

- 16.1. This document is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY. Millennium LifeSciences, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.
- 16.2. Text of Hazard Statements in Section 3:
- 16.2.1. Acute Tox. 4: H302 – Harmful if swallowed.
 - 16.2.2. Eye Dam. 1: H318 – Causes serious eye damage.
 - 16.2.3. Repr. 2: H361d – Suspected of damaging the unborn child.
 - 16.2.4. Aquatic Acute 1: H400 – Very toxic to aquatic life.
 - 16.2.5. Aquatic Chronic 1: H410 – Very toxic to aquatic life with long lasting effects.