

RAD001 (Everolimus) SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** RAD001 (Everolimus)
- **Catalog Number:** S1120
- **CAS Number:** 159351-69-6
- **IUPAC Name:** 23,27-Epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentriacontine, rapamycin deriv

Relevant identified uses and uses advised against

- **Identified uses:** For research and development use only; laboratory chemicals; manufacture of substances.
- **Uses advised against:** Not for pharmaceutical, household, or other unapproved uses.

Details of the supplier

- **Company :** Selleck Chemicals
- **TollFree :** +1 877 796-6397
- **Tel :** +1 832 582-8158
- **Fax :** +1 832 582-8590

Emergency telephone number

- **Emergency phone #:** +1 832 582-8158

2. HAZARDS IDENTIFICATION

The product is classified as hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). It is a physiologically highly active substance that must be handled with extreme care.

Pictogram:



Signal Word: Warning

Hazard Classification:

- Carcinogenicity: Category 2
- Reproductive toxicity: Category 2
- Specific target organ toxicity - repeated exposure: Category 2 (Kidney, Testes)
- Short-term (acute) aquatic hazard: Category 1
- Long-term (chronic) aquatic hazard: Category 1

Hazard Statements:

- H351: Suspected of causing cancer.
- H361: Suspected of damaging fertility or the unborn child.
- H373: May cause damage to organs (Kidney, Testes) through prolonged or repeated exposure.
- H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

- **Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe powder. Avoid release to the environment. Wear protective gloves, clothing, and eye/face protection.
- **Response:** IF exposed or concerned: Get medical advice/attention. Collect spillage.
- **Storage:** Store locked up.
- **Disposal:** Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is a substance consisting of:

- **Chemical Name:** Everolimus
- **CAS-No.:** 159351-69-6
- **Concentration:** ≥ 90 - $\leq 100\%$
- **Note:** Actual concentration is withheld as a trade secret.

4. FIRST AID MEASURES

- **General Advice:** Present this safety data sheet to the attending physician.
- **Inhalation:** Move to fresh air. Contact a physician.
- **Skin Contact:** Immediately remove contaminated clothing. Rinse skin with water or shower. Consult a physician.
- **Eye Contact:** Rinse with plenty of water. Remove contact lenses if present. Consult an ophthalmologist.
- **Ingestion:** If swallowed, provide the victim with a maximum of two glasses of water. Consult a physician immediately.
- **Most Important Symptoms:** The most important known symptoms and effects are described in the hazard identification (Section 2) and toxicological information (Section 11).
- **Protection of First-Aiders:** Refer to Section 8 for personal protective equipment.

5. FIREFIGHTING MEASURES

- **Extinguishing Media:** Use water, foam, carbon dioxide (CO₂), or dry powder. No limitations on extinguishing agents are specified.
- **Specific Hazards:** The material is combustible. Hazardous combustion gases or vapors, including carbon oxides and nitrogen oxides (NO_x), may develop in the event of a fire.
- **Firefighting Instructions:** Stay in the danger area only with a self-contained breathing apparatus. Prevent skin contact by maintaining a safe distance or wearing suitable protective clothing.

- **Further Information:** Use water spray to suppress gases/vapors. Prevent firefighting water from entering surface water or groundwater systems.

6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Avoid inhalation of powder. Avoid contact with the substance. Ensure adequate ventilation and evacuate the danger area. Consult an expert and follow emergency procedures.

- **Environmental Precautions:** Do not allow the product to enter drains.

- **Methods for Containment and Cleaning:** Cover drains. Collect, bind, and pump off spills. Take up dry and dispose of properly. Clean the affected area and avoid the generation of powder.

7. HANDLING AND STORAGE

- **Handling:** Work under a hood. Do not inhale the substance or mixture. Follow precautions outlined in Section 2.2.

- **Storage:** Keep the container tightly closed and dry. Store locked up.

- **Storage Class:** 11 (Combustible Solids).

- **Recommended Storage Temperature:** -4 °F / -20 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Control Parameters:** Contains no substances with occupational exposure limit values.

- **Engineering Measures:** N/A

- **Personal Protective Equipment:**

- **Respiratory Protection:** Required when powder is generated. Recommended filter type P3 (standard DIN EN 143).

- **Hand Protection:** Use nitrile rubber gloves (Full contact: 0.11 mm thickness, >480 min breakthrough; Splash contact: 0.11 mm thickness, >480 min breakthrough).

- **Eye Protection:** Use safety glasses approved under NIOSH (US) or EN 166 (EU).

- **Skin and Body Protection:** Wear protective clothing.

- **Hygiene Measures:** Change contaminated clothing immediately. Apply preventive skin protection. Wash hands and face thoroughly after handling the substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** powder

- **Color:** N/A

- **Odor:** N/A

- **Odor Threshold:** N/A

- **pH:** 5.1 - 5.2 at 10 g/l (68 °F / 20 °C)

- **Melting Point:** N/A

- **Boiling Point:** N/A

- **Flash Point:** Not applicable
- **Evaporation Rate:** N/A
- **Flammability:** N/A
- **Explosion Limits:** N/A
- **Vapor Pressure/Density:** N/A
- **Relative Density:** N/A
- **Water Solubility:** N/A
- **Partition Coefficient (n-octanol/water):** log Pow: 4 (72 °F / 22 °C); indicates potential bioaccumulation.
- **Autoignition Temperature:** N/A
- **Decomposition Temperature:** N/A
- **Viscosity:** N/A
- **Oxidizing Properties:** None
- **Molecular Weight:** 958.22 g/mol

10. STABILITY AND REACTIVITY

- **Reactivity:** Flammable organic substances in fine distribution may have powder explosion potential when whirled up.
- **Chemical Stability:** Stable under standard ambient conditions (room temperature).
- **Possibility of Hazardous Reactions:** Violent reactions possible with strong oxidizing agents.
- **Conditions to Avoid:** No information available.
- **Incompatible Materials:** N/A.
- **Hazardous Decomposition Products:** See Section 5 for fire-related decomposition.

11. TOXICOLOGICAL INFORMATION

- **Acute Toxicity:** LD50 Oral (Rat) > 2,000 mg/kg. Inhalation and dermal data are not available.
- **Skin/Eye Corrosion/Irritation:** N/A.
- **Respiratory or Skin Sensitization:** N/A.
- **Germ Cell Mutagenicity:** N/A.
- **Carcinogenicity:** Suspected of causing cancer. No components are identified as carcinogens by IARC, NTP, or OSHA at levels $\geq 0.1\%$.
- **Reproductive Toxicity:** Suspected of damaging fertility or the unborn child.
- **STOT - Single Exposure:** N/A.
- **STOT - Repeated Exposure:** May cause damage to organs (Kidney, Testes) through prolonged or repeated exposure.
- **Aspiration Hazard:** N/A.
- **Additional Information:** The chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

- **Ecotoxicity:** Very toxic to aquatic life with long-lasting effects.
- **Persistence and Degradability:** Not readily biodegradable.
- **Bioaccumulative Potential:** Potential for bioaccumulation (log Pow: 4).
- **Mobility in Soil:** N/A.
- **Other Adverse Effects:** N/A.

13. DISPOSAL CONSIDERATIONS

- **Waste Treatment Methods:** Waste must be disposed of in accordance with national and local regulations. Retain chemicals in original containers. Do not mix with other waste. Handle uncleaned containers with the same precautions as the product itself.

14. TRANSPORT INFORMATION

- **IATA-DGR:**
- **UN/ID No.:** UN 3077
- **Proper Shipping Name:** Environmentally hazardous substance, powder, n.o.s. (Everolimus)
- **Class:** 9
- **Packing Group:** III
- **Labels:** Class 9
- **IMDG-Code:**
- **UN Number:** UN 3077
- **Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, POWDER, N.O.S. (Everolimus)
- **Class:** 9
- **Packing Group:** III
- **Marine Pollutant:** Yes
- **EmS Code:** F-A, S-F
- **49 CFR Road:** Not regulated as a dangerous good.
- **Special Precautions:** EHS-Mark required for single or combination packagings containing inner packagings > 5kg for solids. Packages <= 5 kg are not considered dangerous goods of Class 9.

15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 : No SARA Hazards

Hazards

SARA 313 : This material 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.

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Maine Chemicals of High Concern

Product does not contain any listed chemicals

Vermont Chemicals of High Concern

Product does not contain any listed chemicals

Washington Chemicals of High Concern

Product does not contain any listed chemicals

The components of this product are reported in the following inventories:

TSCA : Product contains substance(s) not listed on TSCA inventory.

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

16. OTHER INFORMATION

Revision Date: 2026/07/09

Further Information: The information provided is believed to be correct but is not exhaustive and should be used only as a guideline based on current knowledge. It does not represent a guarantee of the properties of the product. Selleck Chemicals Corporation and its Affiliates shall not be held liable for any damage resulting from handling or contact with the product.