

---

1. PRODUCT AND COMPANY IDENTIFICATION

---

**Product Name** Everolimus  
**Product Number** 12017  
**CAS** 159351-69-6  
**Identified Uses** For Research Use Only (RUO). Not intended for use in humans or animals.  
Not intended for therapeutic or diagnostic procedures.

**Manufacturer/Supplier** Cell Signaling Technology, Inc.  
3 Trask Lane  
Danvers, MA 01923 USA  
**Phone #:** 1-978-867-2300  
**Emergency Tel#** 1-978-578-6737

---

2. HAZARDS IDENTIFICATION

---

**Emergency Overview**

**OSHA Hazards**

No known OSHA hazards



**Danger**

**GHS Classification**

Acute Toxicity, Oral (Category 5)  
Specific target organ toxicity –single exposure (Category 1)  
Acute aquatic toxicity (Category 3)  
Chronic aquatic toxicity (Category 4)

**Hazard statement(s)**

H303 May be harmful if swallowed.  
H372 Causes damage to organs through prolonged or repeated exposure if swallowed.  
H402 Harmful to aquatic life.  
H413 May cause long lasting harmful effects to aquatic life.

**Precautionary statement(s)**

P314 Get medical advice/ attention if you feel unwell.

**Physical State**

Solid.

---

3. COMPOSITION/INFORMATION ON INGREDIENTS

---

**Hazardous Ingredients**

**Synonym:** CERTICAN®  
**Formula:** C<sub>53</sub>H<sub>83</sub>NO<sub>14</sub>  
**Molecular Weight:** 958.22 g/mol

---

4. FIRST AID MEASURES

---

**Eye Contact** Flush eyes with water as a precaution.  
**Skin Contact** Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.  
**Inhalation** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
**Ingestion** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.  
**Notes to physician** Treat symptomatically.

---

5. FIRE FIGHTING MEASURES

---

<b>Flash Point</b>	See Section 9. Physical and Chemical Properties
<b>Suitable Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Special exposure hazards</b>	No data available
<b>Special protection for fire fighters</b>	Wear appropriate self-contained breathing apparatus and protective unit
<b>Other information</b>	No data available

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
<b>Clean up methods</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
<b>Other information</b>	See sections 12 and 13 for additional information.

## 7. HANDLING AND STORAGE

<b>Safe handling advice</b>	Avoid contact with eyes and skin. Avoid formation of dust and aerosols. Ensure adequate ventilation.
<b>Storage condition</b>	Keep container tightly closed in a cool dry location. Recommended storage temperature" -20C.
<b>Incompatibilities</b>	No data available
<b>Specific end uses</b>	No data available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Controls

Apply technical measures to comply with the occupational exposure limits.

### Engineering Controls

Emergency eyewash and safety shower. Mechanical exhaust required.

### Hygiene Measures

Do not eat, drink or smoke when handling product. Wash hands thoroughly after handling product. Wash contaminated clothing before reuse.

### Personal Protective Equipment

Respiratory Protection:	In case of insufficient ventilation wear suitable respiratory equipment.
Eye Protection:	Safety glasses with side shields
Skin and body protection:	Wear suitable protective clothing, protective shoes or boots.
Hand protection:	Compatible chemical resistant gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical State	solid
Color	no data available
Odor	none
pH	5.1 – 5.2 at 10 g/l at 20C (68F)
Water Solubility	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Evaporation rate	no data available
Flammability	no data available
Flash point	no data available
Autoignition temperature	no data available
Flammability limits in air	no data available
Explosive properties	no data available
VOC content	no data available
Decomposition temperature	no data available

10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions
<b>Conditions/Materials to avoid</b>	No data available
<b>Hazardous decomposition products</b>	No data available

11. TOXICOLOGICAL INFORMATION

To the best of our knowledge, the chemical, physical and toxicological properties have not been fully investigated.

**Acute Toxicity**

LD50 Oral – rat- > 2,000 mg/kg

**Potential Health Effects**

**Acute Toxicity**

Eyes	Causes serious eye irritation.
Skin	Harmful if absorbed through skin. Causes skin irritation
Inhalation	Harmful if inhaled. Causes respiratory tract irritation
Ingestion	Harmful if swallowed.

**Chronic Effects**

Carcinogenic effects	No known significant effects or critical hazards.
Mutagenic effects	No known significant effects or critical hazards.
Teratogenic effects	No known significant effects or critical hazards.
Reproductive toxicity	No known significant effects or critical hazards.

RTECS: FL9200000

12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility</b>	No data available

13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Dispose of in accordance with all applicable environmental laws and regulations.

14. TRANSPORT INFORMATION

<b>IATA</b>	Not regulated as dangerous goods
<b>DOT</b>	Not regulated as dangerous goods
<b>MEX</b>	Not regulated as dangerous goods

15. REGULATORY INFORMATION

**OSHA Hazards**

No known OSHA hazards



**Danger****GHS Classification**

Acute Toxicity, Oral (Category 5)  
Specific target organ toxicity –single exposure (Category 1)  
Acute aquatic toxicity (Category 3)  
Chronic aquatic toxicity (Category 4)

**Hazard statement(s)**

H303 May be harmful if swallowed.  
H372 Causes damage to organs through prolonged or repeated exposure if swallowed.  
H402 Harmful to aquatic life.  
H413 May cause long lasting harmful effects to aquatic life.

**Precautionary statement(s)**

P314 Get medical advice/ attention if you feel unwell.

**International Inventories**

TSCA (8a) PAIR -  
EINECS/ELINCS -  
ENCS -  
IECSC -  
KECL -  
PICCS -  
AICS -  
NZIoC -

**U.S. Federal Regulations**

SARA 302/304/311/312 hazardous chemicals: N/A

SARA 311/312 MSDS Distribution: N/A

**U.S. State Regulations**

Massachusetts Right-to-Know	No components are listed.	
Pennsylvania Right-to-Know	Rapamycin, 42-O-(hydroxyethyl)-	CAS# 159351-69-6
New Jersey Right-to-Know	Rapamycin, 42-O-(hydroxyethyl)-	CAS# 159351-69-6

**California Prop 65 Components**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

---

**16. OTHER INFORMATION**

---

**Revision date** 2012-12-20

**Disclaimer**

The information provided on this material safety data sheet is to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet