

Safety Data Sheet

European Format

Rapamune Tablets

Preparation Date 03-Jul-2007 Revision Date 28-Mar-2008 Revision Number 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product NameRapamune TabletsCommon NameNot availableChemical NameNot applicableSynonymsRapamycin, Sirolimus

Product Use Pharmaceutical product
Classification Pharmaceutical product
Immunosuppresive Agent

Supplier Wyeth

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Emergency Telephone Number Chemtrec USA, Puerto Rico, Canada 1-800-424-9300

Chemtrec International 1-703-527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	CAS-No	EC No.	Composition	Classification
Sirolimus	53123-88-9	Not available	1 - 2 mg/tablet	Xn; R22, R36; S22, S24/25, S 36/37
Inactive Ingredients	Not applicable	Not applicable	Remainder	Not applicable***

3. HAZARDS IDENTIFICATION

Emergency Overview

This contains an active pharmaceutical ingredient that can affect body functions; handle with caution.

Appearance Pharmaceutical Tablet ***

Physical State Solid

Odor Not available

Potential Physical Hazards

Powders and solids are presumed to be combustible.

Potential Health Effects

EyesNot availableSkinNot availableInhalationNot availableIngestionThe most contract

The most common effects may include increased susceptibility to infections such as bronchitis, Herpes simplex, pneumonia, pyelonephritis, upper respiratory infection, urinary tract infection, abscess, cellulitis, Herpes zoster infection, peritonitis, sepsis gastritis, gastroenteritis, gingivitis, mouth ulceration, oral moniliasis, stomatitis, cough increase, pneumoniasinusitis, fungal dermatitis, skin ulcer, conjunctivitis, fever, chills, arthralgia, pain, malaise, sweating, flu syndrome, kidney problems, exfoliative dermatitis. May inhibit production of certain growth factors that affect angiogenesis, fibroblast proliferation and vascular permeability; affect wound healing; cause fluid retention including peripheral edema, lymphedema, pleural effusion and

pericardial effusion.

May cause cancer. May cause harm to the unborn child. May impair fertility. The possible

development of lymphoma may result from immunosuppression.

Please see Patient Package Insert for further information.

Therapeutic Target Organ(s) Immune system.

Not listed by OSHA, NTP or IARC. Potential cancer hazard.

Potential Environmental Effects See Section 12.

4. FIRST AID MEASURES

Eye Contact In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek

medical advice.

Skin ContactTake off contaminated clothing and shoes immediately. Wash off immediately with soap and

plenty of water. If skin irritation persists, call a physician.

Inhalation Move to fresh air. Artificial respiration and/or oxygen may be necessary. If symptoms persist,

call a physician.

Ingestion If symptoms persist, call a physician. Do not induce vomiting without medical advice. Never

give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable

Extinguishing Media

Suitable Extinguishing Media Unsuitable Extinguishing

Media

Use water spray, foam, dry chemical or carbon dioxide.

Do NOT use water jet.

Fire Fighting Evacuate area and fight fire from a safe distance. Cool closed containers exposed to fire with

water spray. In the event of fire and/or explosion do not breathe fumes.

Hazardous Combustion Products Carbon oxides, nitrogen oxides.

Protective Equipment and Precautions for Firefighters

In the event of fire, wear self-contained breathing apparatus and special protective equipment

for fire fighters.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions Prevent product from entering drains. Local authorities should be advised if a significant spill

cannot be contained.

Methods for Containment Not available

Methods for Cleaning up Take up mechanically and collect in suitable container for disposal. Clean contaminated

surface thoroughly. Avoid formation of dust and aerosols.

7. HANDLING AND STORAGE

Handling For personal protection see Section 8. Handle in accordance with good industrial hygiene and

safety practice. Skin should be washed after contact. Avoid formation of dust and aerosols.

Storage No special safety precautions required. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Common Name Exposure Guideline

Sirolimus 1 mcg/m³

Engineering Controls Apply technical measures to comply with the occupational exposure guideline. Enclose

operations to prevent aerosol generation. General ventilation shall not be used as the primary control system. Isolators, fume hoods, or biological safety cabinets may be used based on a

risk assessment.

Personal Protective Equipment

Eye/face ProtectionProvide eye protection based on risk assessment.Skin ProtectionWear nitrile or latex gloves. Wear protective garment.Respiratory ProtectionBase respirator selection on a risk assessment.

General Hygiene When using, do not eat, drink or smoke. General industrial hygiene practice. Wash hands

Considerations before breaks and at the end of workday.

Other Limit access to only personnel trained in the safe handling of this material. Consult a health

and safety professional for specific PPE, respirator, and risk assessment guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Pharmaceutical Tablet *** Physical State Solid

Color Various Odor Not available

Odor Threshold Not available

pH Not applicable

Specific GravityNot applicableWater SolubilityInsolubleSolubilityNot applicableEvaporation RateNot applicable

Partition Coefficient Not available Vapor Pressure Not applicable (n-octanol/water)

Boiling Point Not applicable Autoignition Temperature Not applicable

Flash Point Not applicable Method None Melting Point Not available

Flammability Limits in Air Upper Not applicable Lower Not applicable Explosion Limits Upper Not applicable Lower Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability Stable at room temperature.

Conditions to Avoid No data available

Materials to Avoid No materials to be especially mentioned.

Hazardous Decomposition Products None under normal use.

Possibility of Hazardous Reactions None under normal use.

11. TOXICOLOGICAL INFORMATION

The following effects are based on the Active Pharmaceutical Ingredient.

Acute Toxicity

Sirolimus

LD50 Oral >800 mg/kg rats

>2500 mg/kg mice IP 600 mg/kg mice

Acute Dermal Irritation Not available Primary Eye Irritation Not available

Sensitization Hypersensitivity reactions, including anaphylactic or anaphylactoid reactions have been

reported with therapeutic use of Sirolimus.

Multiple Dose Toxicity

Sirolimus

No Toxicologic Effect

Dose/Species/Study Length:

See below

Maximum Tolerated Dose (MTD), Oral

Sirolimus

Carcinogenicity Animal studies revealed increased incidences of lymphoma in mice, hepatocellular tumors in

male mice, granulocytic leukemia in female mice, and testicular interstitial cell adenoma in rats.

Genetic Toxicity Negative in a battery of genotoxicity tests.

Reproductive Toxicity In all reproductive studies, embryo/fetal toxicity was manifested as decreased number of

fetuses and/or pups and decreased fetal and/or pup weights, and resulted in maternal toxicity

(decreased body weight parameters) in rats.

Developmental Toxicity No teratogenic effects were observed in rats or rabbits.

Sirolimus

Target Organ(s) of Toxicity No data available

12. ECOLOGICAL INFORMATION

Chemical Fate Information

Sirolimus

Mobility May adsorb on sludge or particles in natural waters.

BiodegradabilityNot availableStability in WaterHydrolyses in water.BioaccumulationBioaccumulative potential.

Ecotoxicity

Sirolimus

Microorganisms EC50 > Aqueous solubility limit

Daphnia EC50/48h/daphnia > Aqueous solubility limit, NOEC > Aqueous solubility limit.

Fish LC50/96h/Fathead minnows > Aqueous solubility limit, NOEC > Aqueous solubility limit.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

Transport Information This material is not classified as hazardous for transport.

15. REGULATORY INFORMATION

According to present data no classification and labeling is required according to Directives 67/548/EEC or 1999/45/EC.

16. OTHER INFORMATION

Prepared By Wyeth Department of Environment, Health & Safety

Format This MSDS was prepared in accordance with Directive 2001/58/EC.

List of References See Patient Package Insert for more information.

Revision Summary Changes to Section 8

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End of MSDS