

Cyclosporin A SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Cyclosporin A
- **Catalog Number:** S2286
- **CAS Number:** 59865-13-3
- **IUPAC Name:** --

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

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Pictogram:



Signal word: Danger

Hazard statements:

- H302: Harmful if swallowed.
- H350: May cause cancer.
- H360: May damage fertility or the unborn child.

Precautionary statements:

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P264: Wash skin thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.

- P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P301 + P312 + P330: IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
- P308 + P313: IF exposed or concerned: Get medical advice/ attention.
- P405: Store locked up.
- P501: Dispose of contents/ container to an approved waste disposal plant.

Other hazards:

Caution: Physiologically highly active, therapeutically usable substance. The substance must be handled with the care required for hazardous materials.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Substance

Chemical Name: Cyclosporin A

CAS-No.: 59865-13-3

Concentration: ≥ 80 - $\leq 100\%$

Trade Secret: The actual concentration or concentration range is withheld as a trade secret (TSC).

Structural Formula: --

4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance.

If inhaled: After inhalation: fresh air. Call in physician.

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

In case of eye contact: After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed: After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Protection of first-aiders: For personal protection see section 8.

Notes to physician: N/A.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Water, Foam, Carbon dioxide (CO₂), Dry powder.

Unsuitable extinguishing media: For this substance/mixture no limitations of extinguishing agents are given.

Specific hazards during fire fighting: Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

Hazardous combustion products: Carbon oxides, Nitrogen oxides (NO_x).

Specific extinguishing methods: N/A.

Further information: Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Special protective equipment for fire-fighters: Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Advice for non-emergency personnel: Avoid generation and inhalation of powder in all circumstances. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: For personal protection see section 8.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of powder.

7. HANDLING AND STORAGE

Advice on safe handling: Work under hood. Do not inhale substance/mixture. For precautions see section 2.

Further information on storage conditions: Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorised persons.

Storage class: 6.1C, Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects.

Recommended storage temperature: 36 - 46 °F / 2 - 8 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace 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: Filter type P3 (based on DIN EN 143, DIN 14387).

- **Hand protection:** Nitrile rubber gloves (Full and splash contact); Break through time: 480 min; Glove thickness: 0.11 mm (e.g., KCL 741 Dermatril L).

- **Eye protection:** Safety glasses tested and approved under government standards such as NIOSH (US) or EN 166 (EU).

- **Skin and body protection:** Protective clothing.

- **Hygiene measures:** Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: powder

Color: white

Odor: N/A

Odor Threshold: N/A

pH: N/A

Melting point/range: 298 - 304 °F / 148 - 151 °C

Boiling point/boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability (solid, gas): N/A

Upper/Lower explosion limit: N/A

Vapor pressure: N/A

Relative vapour density: N/A

Relative density: N/A

Density: N/A

Water solubility: 0.0286 g/l (75 °F / 24 °C)

Partition coefficient: n-octanol/water: log Pow: 2.92 (experimental); Bioaccumulation is not expected.

Autoignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

Explosive properties: Not classified as explosive.

Oxidizing properties: none

Molecular weight: 1,202.61 g/mol

10. STABILITY AND REACTIVITY

Reactivity: The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a powder explosion potential may generally be assumed.

Chemical stability: The product is chemically stable under standard ambient conditions (room temperature).

Possibility of hazardous reactions: Violent reactions possible with strong oxidizing agents.

Conditions to avoid: Heat; no information available.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: In the event of fire: see section 5.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD50 Oral - Rat - 1,480 mg/kg. Remarks: Behavioral: Muscle contraction or spasticity; Diarrhoea; Skin and Appendages: Other: Hair.

Skin corrosion/irritation: N/A.

Serious eye damage/eye irritation: N/A.

Respiratory or skin sensitization: N/A.

Germ cell mutagenicity: N/A.

Carcinogenicity: Presumed to have carcinogenic potential for humans.

- IARC: 1 - Group 1: Carcinogenic to humans (Cyclosporin A)

- NTP: Known - Known to be human carcinogen (Cyclosporin A)

- OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity: May damage the unborn child. May damage fertility.

STOT - single/repeated exposure: N/A.

Aspiration hazard: N/A.

Additional Information: RTECS: GZ4120000. Symptoms include nausea, vomiting, tremors, diarrhoea, and elevated blood pressure. Liver irregularities based on human evidence.

12. ECOLOGICAL INFORMATION

Ecotoxicity: N/A.

Persistence and degradability: N/A.

Bioaccumulative potential: log Pow: 2.92. Bioaccumulation is not expected.

Mobility in soil: N/A.

Other adverse effects: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

13. DISPOSAL CONSIDERATIONS

Disposal methods: Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. TRANSPORT INFORMATION

IATA-DGR: Not regulated as a dangerous good.

IMDG-Code: Not regulated as a dangerous good.

49 CFR Road: Not regulated as a dangerous good.

Poison Inhalation Hazard: No.

Special precautions for user: Not classified as dangerous in the meaning of transport regulations.

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 Hazards

Acute Health Hazard, Chronic Health Hazard

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.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

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

California Prop. 65

WARNING: This product can expose you to chemicals including Cyclosporin A, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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

US 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.

Structural Formula: --

16. OTHER INFORMATION

Revision Date: 2026/07/31

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.