

Maraviroc (UK-427857) SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Maraviroc (UK-427857)
- **Catalog Number:** S2003
- **CAS Number:** 376348-65-1
- **IUPAC Name:** 4,4-difluoro-N-((S)-3-(3-(3-isopropyl-5-methyl-4H-1,2,4-triazol-4-yl)-8-aza-bicyclo[3.2.1]octan-8-yl)-1-phenylpropyl)cyclohexanecarboxamide

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 substance is classified under the OSHA Hazard Communication Standard (29 CFR 1910.1200) as a Category 3 hazard for both short-term (acute) and long-term (chronic) aquatic environments.

Hazard Statements:

- H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements:

- P273: Avoid release to the environment.
- P501: Dispose of contents/container to an approved waste disposal plant.

Other Hazards:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is a substance consisting of:

- **Chemical Name:** Maraviroc
- **CAS-No.:** 376348-65-1
- **Concentration:** ≥ 80 - $\leq 100\%$ (The actual concentration is withheld as a trade secret).

4. FIRST AID MEASURES

- **If inhaled:** Move the person to fresh air.
- **In case of skin contact:** Immediately remove all contaminated clothing and rinse the skin with water or shower.
- **In case of eye contact:** Rinse thoroughly with plenty of water and remove contact lenses.
- **If swallowed:** Have the victim drink a maximum of two glasses of water. Consult a physician if feeling unwell.
- **Most important symptoms and effects:** The most significant known symptoms 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.
- **Notes to physician:** No specific data provided for this section.

5. FIREFIGHTING MEASURES

- **Suitable extinguishing media:** Water, foam, carbon dioxide (CO₂), or dry powder.
- **Unsuitable extinguishing media:** No limitations are specified for this substance.
- **Specific hazards:** The material is combustible. Fire may result in the development of hazardous combustion gases or vapors, including carbon oxides, nitrogen oxides (NO_x), and hydrogen fluoride.
- **Extinguishing methods:** Use water spray to suppress gases, vapors, or mists. Prevent fire extinguishing water from entering surface or ground water systems.
- **Special protective equipment:** Firefighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions:** Avoid inhalation of dusts. Evacuate the danger area and follow emergency procedures.
- **Environmental precautions:** Do not allow the product to enter drains.
- **Methods for containment and cleaning up:** Cover drains. Collect, bind, and pump off spills. Take up the material dry and dispose of it properly. Clean the affected area and avoid the generation of dusts.

7. HANDLING AND STORAGE

- **Precautions for safe handling:** Refer to Section 2.2 for safety precautions.
- **Storage conditions:** Keep the container tightly closed in a dry location.
- **Storage class:** 11, Combustible powder.
- **Recommended storage temperature:** Refer to the product label for specific temperature requirements.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

- **Engineering measures:** No specific data provided for this section.
- **Personal protective equipment:**
- **Respiratory protection:** Required when dusts are generated. A P1 type filter is recommended in accordance with DIN EN 143 or DIN 14387.
- **Hand protection:** Use nitrile rubber gloves (e.g., KCL 741 Dermatril L) with a thickness of 0.11 mm. Break through time is 480 minutes for both full and splash contact.
- **Eye protection:** Use safety glasses approved under standards such as NIOSH (US) or EN 166 (EU).
- **Hygiene measures:** Change contaminated clothing and wash hands after handling the substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** powder
- **Color:** white
- **Odor:** N/A
- **Odor Threshold:** N/A
- **pH:** N/A
- **Melting point/range:** 380.3 °F / 193.5 °C
- **Boiling point/range:** N/A
- **Flash point:** N/A
- **Evaporation rate:** N/A
- **Flammability (solid, gas):** N/A
- **Vapor pressure:** N/A
- **Relative vapor density:** 17.73 (Air = 1.0)
- **Relative density:** N/A
- **Density:** N/A
- **Water solubility:** N/A
- **Partition coefficient (n-octanol/water):** log Pow: 3.26
- **Autoignition temperature:** N/A
- **Decomposition temperature:** N/A
- **Viscosity:** N/A
- **Explosive properties:** N/A
- **Oxidizing properties:** N/A
- **Molecular weight:** 513.67 g/mol

10. STABILITY AND REACTIVITY

- **Reactivity:** Flammable organic substances in fine distribution may pose a dust explosion potential when whirled up.
- **Chemical stability:** Stable under standard ambient conditions (room temperature).
- **Possibility of hazardous reactions:** N/A.
- **Conditions to avoid:** 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) > 2,020.0 mg/kg. N/A for inhalation or dermal exposure.
- **Skin corrosion/irritation:** N/A.
- **Serious eye damage/eye irritation:** N/A.
- **Respiratory or skin sensitization:** N/A.
- **Germ cell mutagenicity:** N/A.
- **Carcinogenicity:** Not classifiable as a human carcinogen by IARC, NTP, or OSHA.
- **Reproductive toxicity:** N/A.
- **STOT - single exposure:** N/A.
- **STOT - repeated exposure:** N/A.
- **Aspiration hazard:** N/A.
- **Additional Information:** The chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

- **Toxicity to fish:** LC50 (Oncorhynchus mykiss): > 73 mg/l; Exposure time: 96 h.
- **Toxicity to daphnia and other aquatic invertebrates:** EC50 (Daphnia magna): 69 mg/l; Exposure time: 48 h.
- **Persistence and degradability:** N/A.
- **Bioaccumulative potential:** log Pow: 3.26.
- **Mobility in soil:** N/A.
- **Other adverse effects:** This product does not contain Class I or Class II ozone-depleting substances as defined by the U.S. Clean Air Act.

13. DISPOSAL CONSIDERATIONS

Waste material must be disposed of in accordance with national and local regulations. Chemicals should be left in their original containers and not mixed with other waste. Uncleaned containers should be handled with the same precautions as the product itself.

14. TRANSPORT INFORMATION

- **DOT (49 CFR):** Not regulated as a dangerous good.
- **IMDG:** Not regulated as a dangerous good.
- **IATA:** Not regulated as a dangerous good.
- **Transport in bulk:** Not applicable for the product as supplied.
- **Poison Inhalation Hazard:** No.

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.

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

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: 2026/07/02

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.