

CAL-101 (Idelalisib) SDS | MSDS

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** CAL-101 (Idelalisib)
- **Catalog Number:** S2226
- **CAS Number:** 870281-82-6
- **IUPAC Name:** (S)-2-(1-(9H-purin-6-ylamino)propyl)-5-fluoro-3-phenylquinazolin-4(3H)-one

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

According to the OSHA Hazard Communication Standard (29 CFR 1910.1200), this substance is not classified as hazardous. There are no known hazards associated with this product. No GHS label elements, including pictograms, signal words, or hazard statements, are required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is classified as a substance. According to the provided data, there are no hazardous ingredients present in this formulation.

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 a shower or plenty of water.
- **In case of eye contact:** Rinse the eyes thoroughly with plenty of water, ensuring contact lenses are removed.
- **If swallowed:** Have the victim drink a maximum of two glasses of water. Consult a physician if the individual feels unwell.

- **Most important symptoms and effects:** The most significant known symptoms are detailed in the hazard identification or toxicological information sections.
- **Protection of first-aiders:** Refer to personal protection guidelines in Section 8.
- **Notes to physician:** N/A

5. FIREFIGHTING MEASURES

- **Suitable extinguishing media:** Use water, foam, carbon dioxide (CO₂), or dry powder.
- **Unsuitable extinguishing media:** No limitations on extinguishing agents are specified for this substance.
- **Specific hazards:** The product is combustible. Fire may prompt 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 firefighting water from entering surface water or groundwater systems.
- **Special protective equipment:** Firefighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions:** Non-emergency personnel should avoid inhaling dusts and evacuate the area following emergency procedures. Emergency responders should refer to Section 8 for personal protection.
- **Environmental precautions:** Prevent the product from entering drains.
- **Methods for containment and cleaning:** Cover drains and collect 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

- **Handling:** Follow precautions outlined in Section 2.2.
- **Storage conditions:** Keep the container tightly closed and in a dry location. The recommended storage temperature is -13 to 14 °F (-25 to -10 °C).
- **Storage class:** 11 (Combustible Solids).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Control parameters:** This product contains no substances with established occupational exposure limit values.
- **Engineering measures:** N/A
- **Personal protective equipment:**
 - **Respiratory protection:** Required when dusts are generated. A Filter type P1 is recommended in accordance with DIN EN 143 or equivalent standards.
 - **Eye protection:** Use safety glasses tested and approved under standards such as NIOSH (US) or EN 166 (EU).
 - **Hygiene measures:** Change contaminated clothing and wash hands thoroughly after handling the substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** powder

- **Color:** white
- **Odor/Odor Threshold:** N/A
- **pH:** N/A
- **Melting/Boiling Point:** N/A
- **Flash point:** N/A
- **Evaporation rate:** N/A
- **Flammability:** N/A
- **Explosion limits:** N/A
- **Vapor pressure/density:** N/A
- **Relative density/Density:** N/A
- **Water solubility:** Soluble at 68 °F (20 °C)
- **Partition coefficient (n-octanol/water):** log Pow: 3.15 (77 °F / 25 °C); bioaccumulation is not expected.
- **Autoignition/Decomposition temperature:** N/A
- **Viscosity:** N/A
- **Explosive properties:** Not classified as explosive.
- **Oxidizing properties:** None
- **Molecular weight:** 415.42 g/mol

10. STABILITY AND REACTIVITY

- **Reactivity:** Flammable organic substances in fine distribution may pose a dust explosion potential when airborne.
- **Chemical stability:** The product is stable under standard ambient room temperature conditions.
- **Possibility of hazardous reactions:** Violent reactions are possible with strong oxidizing agents.
- **Conditions to avoid:** No information available.
- **Incompatible materials:** N/A.
- **Hazardous decomposition products:** See Section 5 for products formed during fire.

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:** N/A for oral, inhalation, or dermal exposure.
- **Skin/Eye irritation:** N/A.
- **Sensitization:** N/A.
- **Germ cell mutagenicity:** Negative results in Salmonella typhimurium gene mutation tests; positive results in rat bone marrow in vivo micronucleus tests.
- **Carcinogenicity:** No components are identified as probable, possible, or confirmed human carcinogens by IARC, NTP, or OSHA.
- **Reproductive toxicity:** Suspected of damaging fertility or the unborn child.
- **STOT - single/repeated exposure:** N/A.
- **Aspiration hazard:** N/A.
- **Additional Information:** The chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

- **Ecotoxicity:** N/A.
- **Persistence and degradability:** N/A.
- **Bioaccumulative potential:** N/A.
- **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. Retain chemicals in original containers and do not mix with other waste. Uncleaned containers should be handled with the same precautions as 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.
- **Transport in bulk:** Not applicable as supplied.
- **Special precautions:** Not classified as dangerous under 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 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: 2026/08/04

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.