

LY294002 SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** LY294002
- **Catalog Number:** S1105
- **CAS Number:** 154447-36-6
- **IUPAC Name:** 2-morpholino-8-phenyl-4H-chromen-4-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

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3. Composition/information on ingredients

3.1 Substances

Chemical Name: 2-morpholino-8-phenyl-4H-chromen-4-one

Molecular weight: 307.34 g/mol

CAS-No.: 154447-36-6

No components need to be disclosed according to the applicable regulations.

4. First aid measures

4.1 Description of first-aid measures

- **If inhaled:** After inhalation, move person into fresh air.
- **In case of skin contact:** Take off immediately all contaminated clothing. Rinse skin with water/shower.
- **In case of eye contact:** After eye contact, rinse out with plenty of water. Remove contact lenses.
- **If swallowed:** After swallowing, make victim drink water (two glasses at most). Consult a doctor if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

N/A.

5. Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing media:** Water, Foam, Carbon dioxide (CO₂), Dry powder.
- **Unsuitable extinguishing media:** No limitations of extinguishing agents are given for this substance/mixture.

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products is not known. The substance is combustible. Fire may cause the evolution of nitrogen oxides. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapors is possible in the event of fire.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of powder. Evacuate the danger area, observe emergency procedures, and consult an expert. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 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 dry. Dispose of properly. Clean up affected area. Avoid generation of powder.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

- **Storage conditions:** Tightly closed. Dry. Recommended storage temperature see product label.
- **Storage class (TRGS 510):** 11: Combustible powder.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

- **Appropriate engineering controls:** Change contaminated clothing. Wash hands after working with substance.
- **Eye/face protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses.
- **Skin protection:** Handle with impervious gloves. Nitrile rubber gloves are recommended (minimum layer thickness: 0.11 mm; break through time: 480 min).
- **Respiratory protection:** Required when powder is generated. Recommended filter type: Filter type P1.
- **Control of environmental exposure:** Do not let product enter drains.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- a) Appearance Form: powder; Color: off-white
- b) Odor: N/A
- c) Odor Threshold: N/A
- d) pH: N/A

- e) Melting point/freezing point: 182 - 184 °C (360 - 363 °F)
- f) Initial boiling point and boiling range: 494.64 °C (922.35 °F) at 1,013.3 hPa
- g) Flash point: 253.0 °C (487.4 °F)
- h) Evaporation rate: N/A
- i) Flammability (solid, gas): N/A
- j) Upper/lower flammability or explosive limits: N/A
- k) Vapor pressure: N/A
- l) Vapor density: N/A
- m) Density: N/A; Relative density: N/A
- n) Water solubility: insoluble
- o) Partition coefficient: n-octanol/water: Pow: 4.04
- p) Autoignition temperature: N/A
- q) Decomposition temperature: N/A
- r) Viscosity: N/A
- s) Explosive properties: N/A
- t) Oxidizing properties: none

9.2 Other safety information

Solubility in other solvents: dimethyl sulfoxide 25.0 g/l at 25.0 °C (77.0 °F) - soluble; Ethanol 25.0 g/l at 25.0 °C (77.0 °F) - soluble.

10. Stability and reactivity

10.1 Reactivity

Forms explosive mixtures with air on intense heating. A range from approximately 15 Kelvin below the flash point is to be rated as critical. In correspondingly fine distribution, when whirled up, a powder explosion potential may generally be assumed for flammable organic substances.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

N/A.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

N/A.

10.6 Hazardous decomposition products

In the event of fire: see section 5.

11. Toxicological information

11.1 Information on toxicological effects

- **Acute toxicity:** N/A (Oral, Inhalation, Dermal).
- **Skin corrosion/irritation:** N/A.
- **Serious eye damage/eye irritation:** N/A.
- **Respiratory or skin sensitization:** N/A.
- **Germ cell mutagenicity:** N/A.
- **Carcinogenicity:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, NTP, or OSHA.
- **Reproductive toxicity:** N/A.
- **Specific target organ toxicity - single exposure:** N/A.
- **Specific target organ toxicity - repeated exposure:** N/A.
- **Aspiration hazard:** N/A.

11.2 Additional Information

N/A.

12. Ecological information

12.1 Toxicity

N/A.

12.2 Persistence and degradability

N/A.

12.3 Bioaccumulative potential

N/A.

12.4 Mobility in soil

N/A.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Endocrine disrupting properties

N/A.

12.7 Other adverse effects

N/A.

13. Disposal considerations

13.1 Waste treatment methods

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

14. Transport information

DOT (US)

Not dangerous goods.

IMDG

Not dangerous goods.

IATA

Not dangerous goods.

Further information

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 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.

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 ingredients 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.