

SP600125 SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** SP600125
- **Catalog Number:** S1460
- **CAS Number:** 129-56-6
- **IUPAC Name:** 2H-Dibenzo[cd,g]indazol-6-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

GHS Classification:

In accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200), this substance is not classified as a hazardous substance or mixture.

GHS Label Elements:

The product is not a hazardous substance or mixture.

Other Hazards:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Substance

Chemical Name: 2H-Dibenzo[cd,g]indazol-6-one

Components: No hazardous ingredients are present in this substance.

4. FIRST AID MEASURES

If inhaled: Move person to fresh air.

In case of skin contact: Immediately remove all contaminated clothing. Rinse skin with water or shower.

In case of eye contact: Rinse thoroughly with plenty of water. Remove contact lenses if present.

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, both acute and delayed: The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

Protection of first-aiders: Refer to section 8 for personal protection.

Notes to physician: N/A.

5. FIRE-FIGHTING MEASURES

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

Unsuitable extinguishing media: No limitations of extinguishing agents are given for this substance.

Specific hazards during fire fighting: Combustible material. Development of hazardous combustion gases or vapors is possible in the event of a fire.

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

Specific extinguishing methods: N/A.

Further information: Use water spray jet to suppress (knock down) gases, vapors, or mists. Prevent fire extinguishing water from contaminating surface water or groundwater systems.

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

- For non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, and consult an expert.
- For emergency responders: Refer to personal protection in section 8.

Environmental precautions: Do not allow the product to 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 dry and dispose of properly. Clean the affected area and avoid the generation of dusts.

7. HANDLING AND STORAGE

Precautions for safe handling: For precautions, see section 2.2.

Conditions for safe storage: Keep container tightly closed and in a dry place.

Storage class: 11, Combustible Solids.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Engineering measures: N/A.

Personal protective equipment:

- **Respiratory protection:** Required when dusts are generated. Recommended filter type: P1 (based on DIN EN 143, DIN 14387).

- **Hand protection:** Handle with impervious nitrile rubber gloves. Full and splash contact: 0.11 mm thickness, 480 min breakthrough time (e.g., KCL 741 Dermatril® L).

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

- **Hygiene measures:** Change contaminated clothing. Wash hands after working with the substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: powder

Color: N/A

Odor: N/A

Odor Threshold: N/A

pH: N/A

Melting point/range: 541 °F / 283 °C

Boiling point/boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability (solid, gas): N/A

Flammability (liquids): N/A

Burning rate: N/A

Upper/Lower explosion limit: N/A

Vapor pressure: N/A

Relative vapor density: N/A

Relative density: N/A

Density: N/A

Water solubility: N/A

Partition coefficient: n-octanol/water: N/A

Autoignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

Explosive properties: N/A

Oxidizing properties: N/A

Molecular weight: 220.23 g/mol

Particle size: N/A

10. STABILITY AND REACTIVITY

Reactivity: Flammable organic substances in fine distribution may generally assume a dust explosion potential when whirled up.

Chemical stability: The product is chemically 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:

- Oral: N/A.
- Inhalation: N/A.
- Dermal: N/A.
- LD50 Intravenous - Mouse - 178 mg/kg.

Skin corrosion/irritation: N/A.

Serious eye damage/eye irritation: N/A.

Respiratory or skin sensitization: N/A.

Germ cell mutagenicity: N/A.

Carcinogenicity:

- IARC: No ingredient present at levels $\geq 0.1\%$ is identified as a probable, possible or confirmed human carcinogen.
- NTP: No ingredient present at levels $\geq 0.1\%$ is identified as a known or anticipated carcinogen.
- OSHA: No component present at levels $\geq 0.1\%$ is on OSHA's list of regulated carcinogens.

Reproductive toxicity: N/A.

STOT - single exposure: N/A.

STOT - repeated exposure: N/A.

Aspiration hazard: N/A.

Additional Information: RTECS: CB4585000. 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: N/A.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Waste material must be disposed of in accordance with national and local regulations. Leave chemicals in original containers. Do not mix with other waste. Handle uncleaned containers as the product itself.

14. TRANSPORT INFORMATION

IATA-DGR: Not regulated as a dangerous good.

IMDG-Code: Not regulated as a dangerous good.

Transport in bulk: Not applicable for product as supplied.

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: No SARA 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.

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 active 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: 2026/07/29

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.