

Necrostatin-1 (Nec-1) SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Necrostatin-1 (Nec-1)
- **Catalog Number:** S8037
- **CAS Number:** 4311-88-0
- **IUPAC Name:** 4-Imidazolidinone, 5-(1H-indol-3-ylmethyl)-3-methyl-2-thioxo-

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):
Not a hazardous substance or mixture.

GHS Label elements:

Not a hazardous substance or mixture.

Other hazards:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Substance

Name: 4-Imidazolidinone, 5-(1H-indol-3-ylmethyl)-3-methyl-2-thioxo-

Components:

No hazardous ingredients according to the OSHA Hazard Communication Standard 29 CFR 1910.1200.

4. FIRST AID MEASURES

If inhaled: After inhalation, move to 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.

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.

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

Notes to physician: N/A.

5. FIRE-FIGHTING MEASURES

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

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

Specific extinguishing methods: N/A.

Further information: Suppress (knock down) gases/vapors/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: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, and 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 dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

7. HANDLING AND STORAGE

Precautions for safe handling: For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities: Keep tightly closed and dry.

Storage class: 11, Combustible Solids.

Recommended storage temperature: -4 °F / -20 °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 dusts are generated. Recommended filter type: P1. Filtering respiratory protection must be based on standards such as DIN EN 143, DIN 14387, and other accompanying standards.
- **Hand protection:** Handle with impervious gloves. Nitrile rubber gloves are recommended (0.11 mm thickness, break through time 480 min) for both full and splash contact.
- **Eye protection:** Use safety glasses tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
- **Hygiene measures:** Change contaminated clothing. Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: powder

Color: N/A

Odor: N/A

Odor Threshold: N/A

pH: N/A

Melting point: N/A

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, dynamic/kinematic: N/A

Flow time: N/A

Explosive properties: N/A

Oxidizing properties: N/A

Molecular weight: 259.33 g/mol

Particle size: N/A

10. STABILITY AND REACTIVITY

Reactivity: N/A.

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: N/A for oral, 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: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC, ACGIH, 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.

Additional Information: N/A.

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

Waste from residues: 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

IATA-DGR: Not regulated as a dangerous good.

IMDG-Code: Not regulated as a dangerous good.

Transport in bulk according to IMO instruments: 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

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity: No components subject to 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.

Pennsylvania Right To Know: 4-Imidazolidinone, 5-(1H-indol-3-ylmethyl)-3-methyl-2-thioxo- 4311-88-0

New Jersey Right To Know: 4-Imidazolidinone, 5-(1H-indol-3-ylmethyl)-3-methyl-2-thioxo- 4311-88-0

California Prop. 65: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

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: 2026/07/20

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.