

# Cl-amidine SDS | MSDS

## 1.PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

- **Product Name:** Cl-amidine
- **Catalog Number:** S8141
- **CAS Number:** 1043444-18-3
- **IUPAC Name:** Benzamide, N-[(1S)-1-(aminocarbonyl)-4-[(2-chloro-1-iminoethyl)amino]butyl]-, 2,2,2-trifluoroacetate (1:1)

### 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 GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200), this product is not classified as a hazardous substance or mixture. There are no known other hazards associated with this material. The GHS label elements also indicate that it is not a hazardous substance or mixture.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is a substance.

**Chemical Name:** Benzamide, N-[(1S)-1-(aminocarbonyl)-4-[(2-chloro-1-iminoethyl)amino]butyl]-, 2,2,2-trifluoroacetate (1:1)

**Components:** No hazardous ingredients are present in this substance.

## 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 water shower.
- **In case of eye contact:** Rinse thoroughly with plenty of water and 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:** The most significant known symptoms and effects are described in the hazard identification (Section 2) or toxicological information (Section 11).
- **Protection of first-aiders:** Refer to Section 8 for personal protective equipment.
- **Notes to physician:** N/A

## 5. FIRE-FIGHTING MEASURES

- **Suitable extinguishing media:** Use water, foam, carbon dioxide (CO<sub>2</sub>), or dry powder.
- **Unsuitable extinguishing media:** No limitations on extinguishing agents are specified for this substance.
- **Specific hazards during fire fighting:** The material is combustible. Hazardous combustion gases or vapors may be generated in the event of a fire.
- **Hazardous combustion products:** The nature of decomposition products is not known.
- **Specific extinguishing methods:** N/A
- **Further information:** Prevent fire extinguishing water from entering surface water or groundwater systems.
- **Special protective equipment for fire-fighters:** Firefighters should wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions and emergency procedures:** For non-emergency personnel, avoid inhalation of powder. Evacuate the danger area, follow emergency procedures, and consult an expert. For emergency responders, see Section 8 for personal protection.
- **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 while observing material restrictions. Take up the material dry and dispose of it properly. Clean the affected area and avoid the generation of powder.

## 7. HANDLING AND STORAGE

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

## 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 powder is generated. Recommended filter type P1, following standards such as DIN EN 143 or DIN 14387.
  - **Hand protection:** Use nitrile rubber gloves (Full contact: 0.11 mm thickness, >480 min breakthrough; Splash contact: 0.11 mm thickness, >480 min breakthrough). Handle with impervious gloves.
  - **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 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:** N/A
- **Boiling point/boiling range:** N/A
- **Flash point:** Not applicable
- **Evaporation rate:** N/A
- **Flammability (powder, 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:** none
- **Molecular weight:** 424.81 g/mol
- **Particle size:** N/A

## 10. STABILITY AND REACTIVITY

- **Reactivity:** Flammable organic substances in fine distribution may generally pose a powder explosion potential when whirled up.
- **Chemical stability:** The product is chemically stable under standard ambient room temperature conditions.
- **Possibility of hazardous reactions:** N/A.
- **Conditions to avoid:** No information available.
- **Incompatible materials:** N/A.
- **Hazardous decomposition products:** In the event of fire, see Section 5.

## 11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:** N/A for oral, inhalation, or dermal routes.
- **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 component 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, 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 treatment methods:** 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 in the same manner 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 the 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 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:** 2026/07/24

**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.