

VBIT-4 SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** VBIT-4
- **Catalog Number:** S3544
- **CAS Number:** 2086257-77-2
- **IUPAC Name:** 1-Piperazinepropanamide, N-(4-chlorophenyl)-β-(hydroxymethyl)-4-[4-(trifluoromethoxy)phenyl]-

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

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

- Skin corrosion/irritation (Category 2), H315
- Serious eye damage/eye irritation (Category 2A), H319
- Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3), H335

2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal word: Warning

Hazard statement(s):

- H315 Causes skin irritation

- H319 Causes serious eye irritation
- H335 May cause respiratory irritation

Precautionary statement(s):

Prevention

- P261 Avoid breathing powder/fume/gas/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P362 Take off contaminated clothing and wash before reuse.

Storage

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

Disposal

- P501 Dispose of contents/container in accordance with local regulation.

2.3 Other hazards

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Name: 1-Piperazinepropanamide, N-(4-chlorophenyl)- β -(hydroxymethyl)-4-[4-(trifluoromethoxy)phenyl]-

Molecular Weight: 457.87

CAS No. : 2086257-77-2

4. FIRST AID MEASURES

4.1 Description of first aid measures

- **Eye contact:** Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eyelids with fingers to ensure adequate flushing. Promptly call a physician.
- **Skin contact:** Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.
- **Inhalation:** Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

- **Ingestion:** Wash out mouth with water; Do NOT induce vomiting; call a physician.

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).

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher.

5.2 Special hazards arising from the substance or mixture

During combustion, may emit irritant fumes.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use full personal protective equipment. Avoid breathing vapors, mist, powder or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Refer to protective measures listed in section 8.

6.2 Environmental precautions

Try to prevent further leakage or spillage. Keep the product away from drains or water courses.

6.3 Methods and materials for containment and cleaning up

Absorb solutions with finely-powdered powder-binding material (diatomite, universal binders); Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid inhalation, contact with eyes and skin. Avoid powder and aerosol formation. Use only in areas with appropriate exhaust ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition.

Recommended storage temperature:

- Powder: -20°C for 3 years
- In solvent: -80°C for 6 months; -20°C for 1 month

Shipping at room temperature if less than 2 weeks.

7.3 Specific end use(s)

N/A.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

This product contains no substances with occupational exposure limit values.

8.2 Exposure controls

- **Engineering controls:** Ensure adequate ventilation. Provide accessible safety shower and eye wash station.
- **Personal protective equipment:**
 - **Eye protection:** Safety goggles with side-shields.
 - **Hand protection:** Protective gloves.
 - **Skin and body protection:** Impervious clothing.
 - **Respiratory protection:** Suitable respirator.
- **Environmental exposure controls:** Keep the product away from drains, water courses or the soil. Clean spillages in a safe way as soon as possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- **Appearance:** powder
- **Odor:** N/A
- **Odor threshold:** N/A
- **pH:** N/A
- **Melting/freezing point:** N/A
- **Boiling point/range:** N/A
- **Flash point:** N/A
- **Evaporation rate:** N/A
- **Flammability (solid, gas):** N/A
- **Upper/lower flammability or explosive limits:** N/A
- **Vapor pressure:** N/A
- **Vapor density:** N/A
- **Relative density:** N/A
- **Water Solubility:** N/A

- Partition coefficient: N/A
- Auto-ignition temperature: N/A
- Decomposition temperature: N/A
- Viscosity: N/A
- Explosive properties: N/A
- Oxidizing properties: N/A

9.2 Other safety information

N/A.

10. STABILITY AND REACTIVITY

10.1 Reactivity

N/A.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

N/A.

10.4 Conditions to avoid

N/A.

10.5 Incompatible materials

Strong acids/alkalis, strong oxidising/reducing agents.

10.6 Hazardous decomposition products

Under fire conditions, may decompose and emit toxic fumes. Other decomposition products - no data available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- **Acute toxicity:** Classified based on available data. For more details, see section 2.
- **Skin corrosion/irritation:** Classified based on available data. For more details, see section 2.
- **Serious eye damage/irritation:** Classified based on available data. For more details, see section 2.
- **Respiratory or skin sensitization:** Classified based on available data. For more details, see section 2.
- **Germ cell mutagenicity:** Classified based on available data. For more details, see section 2.
- **Carcinogenicity:**
 - IARC: No component of this product present at a level equal to or greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

- ACGIH: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by ACGIH.
- NTP: No component of this product present at a level equal to or greater than 0.1% is identified as a anticipated or confirmed carcinogen by NTP.
- OSHA: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by OSHA.
- **Reproductive toxicity:** Classified based on available data. For more details, see section 2.
- **Specific target organ toxicity - single exposure:** Classified based on available data. For more details, see section 2.
- **Specific target organ toxicity - repeated exposure:** Classified based on available data. For more details, see section 2.
- **Aspiration hazard:** Classified based on available data. For more details, see section 2.

Additional information

This information is based on our current knowledge. However the chemical, physical, and toxicological properties have not been completely investigated.

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 unavailable as chemical safety assessment not required or not conducted.

12.6 Other adverse effects

N/A.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

- **Product:** Dispose substance in accordance with prevailing country, federal, state and local regulations.
- **Contaminated packaging:** Conduct recycling or disposal in accordance with prevailing country, federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT (US)

Proper shipping name: Not dangerous goods

UN number: -

Class: -

Packing group: -

IMDG

Proper shipping name: Not dangerous goods

UN number: -

Class: -

Packing group: -

IATA

Proper shipping name: Not dangerous goods

UN number: -

Class: -

Packing group: -

15. REGULATORY INFORMATION

SARA 302 Components:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

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.

SARA 311/312 Hazards:

No SARA Hazards.

Massachusetts Right To Know Components:

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components:

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components:

No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or anyother reproductive harm.

16. OTHER INFORMATION

Revision Date: 2026/07/21

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.