

BIOFINE INTERNATIONAL INC.

1650 Pandora Street
Vancouver, B.C. V5L 1L6, Canada
Tel: (604) 438-8181, (866) 472-9441 (toll free)



P.O. Box 712
Blaine, WA 98231-0712, USA
Fax: (604) 438-8378, (866) 623-7408 (toll free)

Safety Data Sheet

Section 1. Product and Company Identification

Product Name: 4-(2-Chloro-acetyl)-piperazine-1-carboxylic acid tert-butyl ester
Catalogue number: 16075
Product use: For laboratory research purpose
Manufacturer: Biofine International Inc.
1650 Pandora Street
Vancouver, BC, Canada, V5L 1L6
Telephone: (604) 438-8181
Fax: (604) 438-8378
Emergency Phone: 1-866-472-9441

Section 2. Hazards Identification

TSCA listing: This product is not listed in the TSCA inventory

GHS Classification: Mild Skin Irritation, Eye Irritation

GHS Hazard Statement:

H303: May be harmful if swallowed
H313: May be harmful in contact with skin
H320: Causes eye irritation

GHS Pictograms:



GHS Signal words: Warning

Precautionary statement:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P262: Do not get in eyes, on skin, or on clothing
P280: Wear protective gloves/protective clothing/eye protection/face protection
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing

Section 3. Composition/information on ingredients

Ingredient name: 4-(2-Chloro-acetyl)-piperazine-1-carboxylic acid tert-butyl ester
CAS number: 190001-40-2
TSCA listing: This product is not listed in the TSCA inventory.

Section 4. First aid measures

Skin contact: Immediately wash skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, seek medical attention.

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Eye contact: Immediately wash skin with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. In severe cases or if symptoms persist, seek medical attention.

Ingestion: Wash out mouth with copious amounts of water for at least 15 minutes. Seek medical attention.

Section 5. Fire fighting measures

Extinguishing media: Carbon dioxide, or dry chemicals

Special fire fighting procedures: Protective clothing and self-contained breathing apparatus should be worn.

Section 6. Accidental release measures

Personal precautions: Wear suitable personal protective equipment which performs satisfactorily and meets local/state/national standards.

Hand precaution: Wear suitable gloves/gauntlets.

Skin protection: Wear suitable protective clothing.

Eye protection: Wear suitable eye protection.

Methods for cleaning up: Mix with sand or similar inert absorbent material, sweep up and keep in a tightly closed container for disposal.

Environmental precautions: Do not allow material to enter drains or water courses.

Section 7. Handling and storage

Handling: This product should be handled only by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data given on this sheet.

Storage: Store in closed vessels in a dry place, away from heat.

Section 8. Exposure controls/Personal Protection

Engineering controls: Exhaust ventilation

Personal Protection: Safety glasses, Lab coat, Gloves

Section 9. Physical and chemical properties

Appearance: light yellow solid

Odour: No data

Boiling point: No data

Melting point: No data

Flash point: No data

Density: No data

Molecular formula: $C_{11}H_{19}ClN_2O_3$

Molecular weight: 262.733

Section 10. Stability and reactivity

Conditions to avoid: No data

Materials to avoid: No data

Possible hazardous combustion products: No data

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Section 11. Toxicological information

No data

Section 12. Ecological information

No data

Section 13. Disposal consideration

Arrange disposal as special waste, by licensed disposal company, in consultation with local waste disposal authority, in accordance with national and regional regulations.

Section 14. Transport information

Not a hazardous material for transportation.

DOT <i>regulations</i> :	Not a DOT controlled material
<i>Land transport</i> ADR/RID class:	None
<i>Air transport</i> IATA class:	None

Section 15. Regulations

This product is not on the EPA Toxic Substances Control Act (TSCA) inventory.
For use only by technically qualified individuals

Section 16. Other information

This SDS is correct to the best of our knowledge and belief at the date of its publication. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.