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

(604) 438-8181 Telephone: Fax: (604)438-8378 1-866-472-9441 Emergency Phone:

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 eve irritation

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

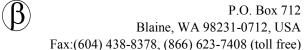
Skin contact: Immediately wash skin with copious amounts of water for at least 15 minutes

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

C₁₁H₁₉ClN₂O₃

Molecular weight:

Modata
262.733

Section 10. Stability and reactivity

Conditions to avoid:No dataMaterials to avoid:No dataPossible 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 regulations: Not a DOT controlled material

Land transport ADR/RID class: None Air transport 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.