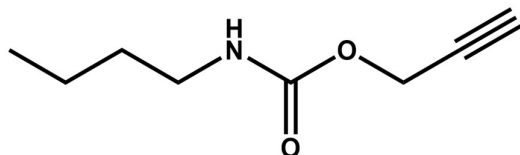


Propargyl N-Butylcarbamate PNBC



Molecular formula:	C ₁₈ H ₁₃ NO ₂
Molecular weight:	155.2
CAS number:	76114-73-3
EC number:	616-291-8

SPECIFICATION

Parameter	Guaranteed value
Color (Gardner)	5 max.
Assay	≥ 99.0 %
Butylamine	≤ 0.1%
Propargyl Alcohol	≤ 0.1%

SYNONYMS

2-Propynyl butylcarbamate
2-Propyn-1-yl *N*-butylcarbamate
Carbamic acid, *N*-butyl-, 2-propyn-1-yl ester

APPEARANCE

Clear, amber liquid.

PHYSICAL PROPERTIES

Density:	0.99 g/cm ³
Melting Point:	-30 °C
Boiling point:	233 °C (760 Torr)

CHEMICAL

Solubility:

- Soluble in usual organic solvents (acetone, toluene, chloroform, THF).
- Insoluble in water

Reactivity:

- Slowly hydrolyzes to butylamine, propargyl alcohol and CO₂ over when in contact with water over extended periods.

USES

- Used in the preparation of iodo-propargyl butyl carbamate (IPBC) used as a microbiocide to prevent bacterial and fungal growth in various products.
- PNBC is used in the preparation of pharmaceutical, cosmetic and agricultural products

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Propargyl N-Butylcarbamate PNBC

PACKAGING

Available in bulk containers, 1,000 kg intermediate bulk containers, or HDPE drums. Contact your VanDeMark Commercial Team member for packaging options available.

HANDLING PRECAUTIONS

- Physicochemical hazard:

Flash point: 122 °C

- Health hazards:

No data on the health effects of exposure to this compound have been determined.

- Recommended:

The use of chemically resistant gloves, approved safety eyewear and laboratory-appropriate clothing is recommended.

Avoid breathing mists/vapors. Handle only in a well-ventilated area.

In case of eye contamination, rinse the affected area with a large volume of cold water and seek medical attention.

In the case of acute inhalation, remove the contaminated individual to fresh air and contact medical personnel as required

STORAGE

The product is stable when stored its closed original packaging, protected from direct sunshine, in a covered, dry, cool and well-ventilated area.

In case of prolonged storage, the material should be re-analyzed for the existence of hydrolysis products.

TRANSPORTATION

Refer to MSDS.

EMERGENCY RESPONSE

*Contact CHEMTREC 1-800-424-9300 in case of a transportation incident.

*Contact VanDeMark 1-716-433-6764 for all other incidents.