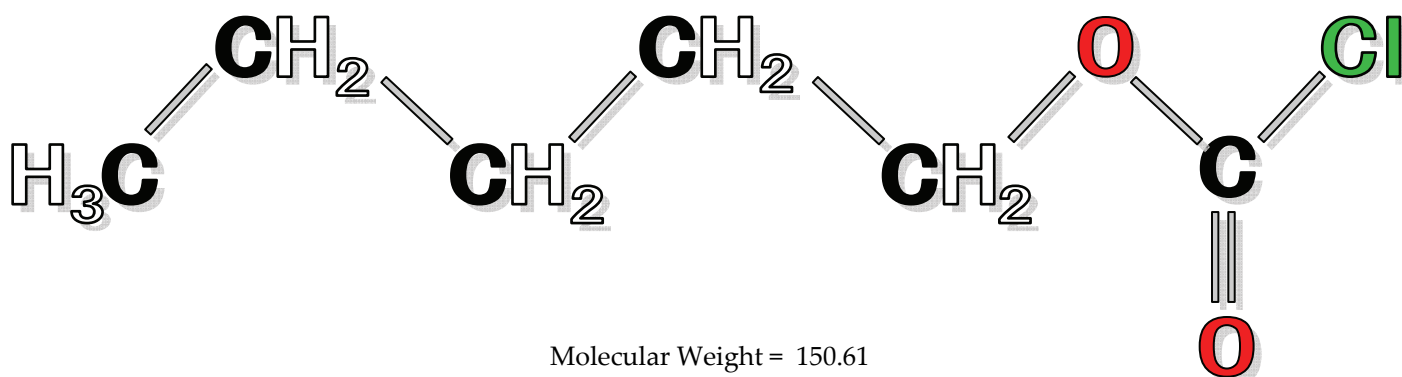


## n-Pentyl Chloroformate

(CARBONCHLORIDIC ACID, n-PENTYL ESTER)



Molecular Weight = 150.61

CAS# 638-41-5

### SPECIFICATIONS

Purity (n-Pentyl Chloroformate)	99% min.
2-Methylbutyl Chloroformate	0.1% max.
3-Methylbutyl Chloroformate	0.1% max.
n-Pentyl Chloride	0.5% max.
n-Pentanol	0.5% max.
Dipentyl Carbonate	0.5% max.
Other Alkyl Chloroformates (each)	0.05% max.
Phosgene	0.02% max

### PHYSICAL PROPERTIES

Appearance :	Clear, colorless to slightly yellow liquid
Odor:	Pungent
Flash Point:	128.3°F / 53.5°C
Boiling Point:	60-62°C @ 11 mm Hg
Density:	1.032 @ 20°C
Vapor Pressure:	1.7 mm Hg @ 25°C

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**APPLICATIONS**

n-Pentyl Chloroformate is a chemical intermediate used in the synthesis of pharmaceutical and agricultural intermediates.

**SAFETY AND HANDLING**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not breath vapors or spray mist.

**FIRST AID**

Seek immediate medical attention. Show MSDS to doctor.

- Eye Contact:** Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub affected area.
- Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use.
- Ingestion:** Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person.
- Inhalation:** Move to fresh air in case of accidental inhalation of vapors or decomposition products. If breathing is difficult, give oxygen. If not breathing, give respiration. Seek immediate medical attention/advice. Aspiration into lungs can produce severe lung damage.

**SPILLS AND DISPOSAL**

Use personal protective equipment. Remove all sources of ignition. Take precautionary measures against static discharges. Avoid contact with skin, eyes and inhalation of vapors. Ensure adequate ventilation. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Dam up. Soak up with inert absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly.

**STORAGE**

Keep containers tightly closed in a dry, cool and well-ventilated place. Recommend handling under nitrogen. Keep away from heat and sources of ignition. Product is stable when stored properly. Retest period is 18 months from date of manufacture.

**PACKAGING AND SHIPPING**

n-Pentyl Chloroformate is available in 16 kg pails and 200 kg drums. Other packaging can be considered upon request.

**EMERGENCY RESPONSE**

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

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

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