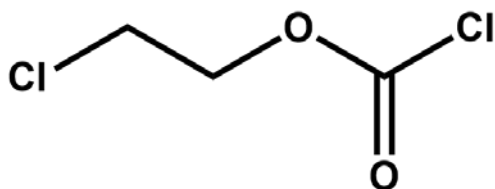


DATA SHEET Nr A

2-Chloroethyl chloroformate
2-CECF



Molecular formula:	C ₃ H ₄ Cl ₂ O ₂
Molecular weight:	143.0
CAS number:	627-11-2
EC number:	210-982-4

SPECIFICATION

Parameter	Guaranteed value
Appearance	Clear, colorless liquid
Purity (GC area)	≥ 98.0 %

SYNONYMS

β-Chloroethyl chloroformate
2-Chloroethyl carbonochloridate
Chloroformic acid 2-chloroethyl ester

APPEARANCE

Clear, colorless liquid.

PHYSICAL PROPERTIES

Density (20°C): 1.38 g/cm³
Boiling point: 155 °C / 101 kPa

CHEMICAL

Solubility:

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

Reactivity:

- Reacts with amines to yield 2-chloro carbamates.
- Reacts with alcohols to yield 2-chloro substituted carbonates
- Hydrolyzes in water

USES

- Important precursor in a range of pharmaceutical applications.

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2-Chloroethyl chloroformate 2CECF

PACKAGING

Contact VanDeMark.

HANDLING PRECAUTIONS

- Physicochemical hazard:

Flash point (closed cup): 70 °C

- Health hazards:

LD50 (oral, rat): >2000 mg/kg.

- Recommended:

When handling this product wear approved gloves, safety eyewear, and laboratory approved protective clothing.

For contact with eyes, flush with clean water for a minimum of 15 minutes and consult a physician. For contact with skin, wash thoroughly with soap and water. For acute inhalation, remove the contaminated individual to fresh air and get medical attention immediately.

STORAGE

The product is stable when stored in its closed original packaging, protected from direct sunshine. Refrigeration of material between 2 and 8 °C is recommended.

In case of prolonged storage it is recommended to analyze the product for purity and the presence of hydrolysis products prior to use.

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.