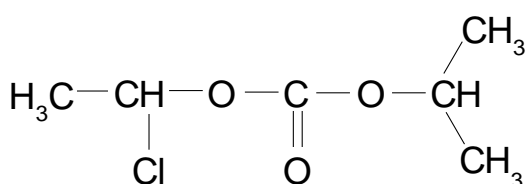


1-CHLOROETHYL ISOPROPYL CARBONATE 1CEIC



Molecular formula: $\text{C}_6\text{H}_{11}\text{ClO}_3$

Molecular weight: 166.5

CAS number: 98298-66-9

EC number: 424-590-8

SYNONYM

-

APPEARANCE:

Clear liquid.

PHYSICAL PROPERTIES

Density (20 °C): 1,085 g/cm³

Boiling point: 170 °C/105Pa

Melting point: -80 °C

Solubility:

Soluble in the main common organic solvents (toluene, acetone, THF).

Not soluble in water.

USES

- Synthesis intermediate for pharmaceuticals and fine chemicals.

1-CHLOROETHYL ISOPROPYL CARBONATE (1CEIC)

SPECIFICATIONS

Parameter	Guaranteed value	Method	Operating procedure
Appearance	clear liquid		
Color	≤ 100 APHA	Colorimetry	C – 210
Purity	≥ 98.5 %	Gas chromatography	GC – 388
Isopropyl alcohol	≤ 0.5 %	Gas chromatography	GC – 388
1-Chloroethyl ethyl carbonate	≤ 0.1 %	Gas chromatography	GC – 388
Di-isopropyl carbonate	≤ 1.0 %	Gas chromatography	GC – 388
Isopropyl vinyl carbonate	≤ 0.5 %	Gas chromatography	GC – 388
Largest unidentified impurity	≤ 0.2 %	Gas chromatography	GC – 388
Water	≤ 0.10%	Karl-Fischer	K – 110

PACKAGING

Polyethylene lined metal drums containing 180kg.

HANDLING PRECAUTIONS

- Physicochemical hazard:
Flash point : 59°C
- Health hazard:
LD 50 (rat, oral): >2000mg/kg.
Sensitization by skin contact. Irritant.
- Destruction:
Incineration.

STORAGE

Stored in its closed original drum in a covered, dry, cool and well-ventilated warehouse the product is stable.

However, in case of prolonged storage it is recommended to check again the product before use by measuring typical quality parameters.

TRANSPORT

Refer to MSDS.

Nr. 3500 D August, 2016

