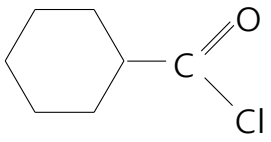
FramoChem
A VanDeMark – Company

DATA SHEET Nr 1950 G

CYCLOHEXANECARBONYL CHLORIDE HBCL



Molecular formula:	$C_7H_{11}ClO$
Molecular weight:	146,5
CAS number:	2719-27-9
EC number:	220-322-7

SYNONYM
Hexahydrobenzoyl Chloride

ASPECT

Clear liquid with a pungent odor

PHYSICAL PROPERTIES

Density: 1,09 g/cm^3

Boiling point: 74°C

Solubility:

Soluble in usual organic solvents (toluene, acetone, methylene chloride, THF, dichloroethane, etc.).

CHEMICAL PROPERTIES

- Reacts by hydrolysis, yielding cyclohexanoic acid and HCl.
- Reacts with alcohols yielding esters.
- Reacts with amines yielding amides.

USES

- Synthesis intermediate for fine chemicals and pharmaceuticals.

CYCLOHEXANECARBONYL CHLORIDE

SPECIFICATION

Parameter	Guaranteed value	Method	Operating procedure
Appearance	Clear liquid	Visual	-
HCl	≤ 0,1%	Acidimetry	A – 220
Phosgene	≤ 0,1%	Iodometry	I – 230
Purity	≥ 98,0 %	Gas chromatography	GC – 471
Benzoyl chloride	≤ 0,5%	Gas chromatography	GC – 471
Cyclohexane carboxylic acid	≤ 0,5%	Gas chromatography	GC – 471
Cyclohexane carboxylic anhydride	≤ 0,5%	Gas chromatography	GC – 471

PACKAGING

PE lined metal drum containing 200 kg.

In bulk.

HANDLING PRECAUTIONS

Refer MSDS.

- Physico-chemical hazard
  Flashpoint (tag closed cup): 90 °C
- Health hazard:
  LD 50 (ingestion, rat): 975 mg/kg. Harmful. Irritating on skin and mucous membrane. Corrosive.
- Recommended:
  Wear gloves, goggles, mask and protective clothes.
  immediately with clean water for at least 15 minutes consult a physician.
- Neutralization
  Neutralize by basic solution.
  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 parameters.

TRANSPORT

Refer to MSDS.

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