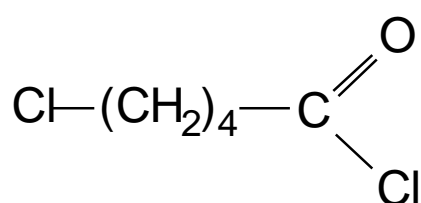


**DATA SHEET Nr 1930 C PROJECT**

**5-CHLORO-VALEROYL-CHLORIDE**



Molecular formula:	$\text{C}_5\text{H}_8\text{Cl}_2\text{O}$
Molecular weight:	155
CAS number	1575-61-7
EINECS number	216-403-1

**Other name**

5-Chloropentanoyl chloride

**Aspect**

Colorless liquid with a pungent odor.

**Physical properties**

Density  $d_{420}$ : 1,208

Boiling point: 83 °C/90 kPa

Solubility: soluble in usual organic solvents (acetone, chloroform, toluene, THF)

**Chemical properties**

- reacts by hydrolysis, yielding hydrochloric acid and 5-chloro-valeroic acid
- reacts with amines yielding amides
- reacts with alcohols yielding esters
- reacts with mercaptanes yielding esters.

**Uses**

- Intermediate for organic synthesis (specially for pharmaceuticals)

# 5-CHLORO-VALEROYL CHLORIDE — Framochem

## Specifications

Parameter	Guaranteed Value	Method	Operating Procedure
Aspect	Clear liquid	Visual	
Assay	≥ 97.0 %	Gas chromatography	GC - 544

### PACKAGING

- Polyethylene lined metal drum containing 50 kg

### Handling precautions

- Physico-chemical hazard  
Flash point (tag closed cup): 90 °C
- Health hazards  
LD 50 (ingestion rat): <2000 mg/kg  
Corrosive: causes burns  
Irritating on skin, mucuous membranes and eyes.
- Recommendations  
Wear gloves, glasses, mask and protective clothes.  
If eyes are contaminated, wash immediately with clean water for at least 15 minutes.  
If concentrated vapors are inhaled, carry the person into fresh air out of the contaminated area.  
In both cases, call a physician.  
Neutralize by reaction with basic solution

### 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 (color, anhydride, hydroclorid and 5-chloro-valeroic acid level).

### TRANSPORT

refer to MSDS

Nr 1930 C PROJECT —October, 2014