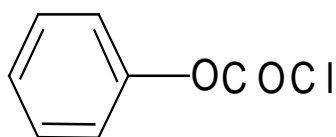


DATA SHEET Nr 5900 E

PHENYL CHLOROFORMATE



Molecular formula:	$C_7H_5Cl O_2$
Molecular weight:	156.5
CAS number:	1885-14-9
EC number:	217-547-8

SYNONYM

Phenyl chlorocarbonate

ASPECT

Clear liquid with pungent odor.

PHYSICAL PROPERTIES

Density: d_{420} 1,247

Melting point: $-38\text{ }^{\circ}\text{C}$

Boiling point: $185\text{ }^{\circ}\text{C}/105\text{Pa}$

Solubility:

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

CHEMICAL PROPERTIES

- Reacts by hydrolysis, yielding carbon dioxide and phenol.
- Reacts with alcohols yielding carbonates.
- Reacts with amines yielding carbamates.

USES

- Organic synthesis intermediate.
- Pharmaceutical intermediate.
- Intermediate for dyestuff.
- Agrochemical intermediate.

Phenyl chloroformate

SPECIFICATION

Parameter	Guaranteed value	Method	Operating procedure
Aspect	Clear liquid		
Color	≤ 50 APHA	Colorimetric	C-210
Phenyl chloroformate	≥ 99.0 %	Gas chromatography	GC-267
Phosgene	≤ 0.05 %	Iodometry	I-230
Hydrogen chloride	≤ 0.1 %	Acidimetric	A-220
Phenol	≤ 0.2 %	Gas chromatography	GC-267
Diphenyl carbonate	≤ 0.2 %	Gas chromatography	GC-267

PACKAGING

Polyethylene lined metal drums: 200 kg.

In bulk.

HANDLING PRECAUTIONS

- Physical-chemical hazard: Flashpoint (tag closed cup): 77°C
- Health hazard:
LD 50 (rat, oral): 1410 mg/kg.
Irritating to the eyes, skin and mucous membrane.
- Recommended

Wear gloves, goggles, mask and protective clothes.

In case of eyes contamination wash with plenty of water at least 15 minutes. If the product is ingested or the vapor is inhaled take the injured person immediately to a physician.

STORAGE

The product is stable stored in its original closed packaging in a dry, cool, well-ventilated area.

In case of longer storage (six months) the main parameters of the product (color, HCl and phenol level) are recommended to be checked before use.

TRANSPORT

Refer to MSDS

Nr. 5900 E May, 2016



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