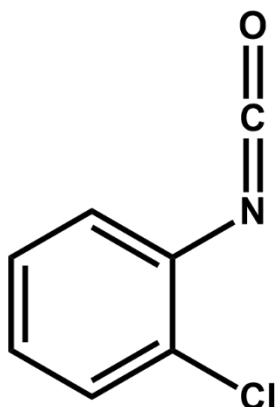


DATA SHEET Nr A

2-Chlorophenyl isocyanate

o-CPI



Molecular formula:	C ₇ H ₄ ClNO
Molecular weight:	153.6
CAS number:	3320-83-0
EC number:	222-023-7

SPECIFICATION

Parameter	Guaranteed value
Appearance	Clear, colorless to faint yellow liquid
Purity (GC)	≥ 99.0 %

SYNONYMS

1-Chloro-2-isocyanatobenzene
Isocyanic acid, o-chlorophenyl ester

APPEARANCE

Clear, colorless-to-faint yellow liquid.

PHYSICAL PROPERTIES

Density (predicted, 20°C): 1.20 g/cm³
Boiling point: 200 °C / 101 kPa

CHEMICAL

Solubility:

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

Reactivity:

- Reacts with amines to yield chlorophenyl substituted ureas.
- Reacts with alcohols to yield chlorophenyl carbamates

USES

- Important precursor in a range of pharmaceutical applications.
- Useful in the syntheses of heterocyclic compounds
- Used in the syntheses of thermoplastic polymers

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2-Chlorophenyl isocyanate o-CPI

PACKAGING

Contact VanDeMark.

HANDLING PRECAUTIONS

- Physicochemical hazard:

Flash point: 88 °C

- Health hazards:

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

- Recommended:

When handling this product wear approved glove, safety eyewear, and appropriate laboratory 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, in a covered, dry, cool and well-ventilated area.

However, 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.