

Data Sheet Nr 2200 C

1,6 HEXANEDIOL BIS CHLOROFORMARE



Molecular formula:	C ₈ H ₁₂ Cl ₂ O ₄
Molecular weight:	243,2
CAS number:	2916-20-3
EC number:	220-840-3

SYNONYMS

- Hexamethylene bis chloroformate

ASPECT

- Colorless liquid with pungent odor.

PHYSICAL PROPERTIES

- Density d₄20: 1,25
g/cm³
- Boiling point determined not

Solubility:

- Soluble in usual organic solvents (acetone, chloroform, toluene, THF).
- The product is decomposed by water.

CHEMICAL PROPERTIES

- Reacts with alcohols yielding carbonates.
- Reacts with amines yielding carbamates.
- Reacts by hydrolysis yielding HCl and hexane diol.

USES

- Organic synthesis intermediate.

1,6 HEXANE DIOL BIS CHLOROFORMATE

SPECIFICATION

Parameter	Guaranteed value	Method	Operating procedure
Aspect	Clear liquid		
Color	≤ 30 APHA	Colorimetry	C-210
Purity	≥ 99 %	Gas chromatography	GC-018
Phosgene	≤ 0,01 %	Iodometry	I-230

PACKAGING

PE lined metal drums containing 225 kg.

HANDLING PRECAUTIONS

- Physical-chemical hazard
Flashpoint (tag closed cup): 110°C
- Health hazard
LD 50 ingestion (oral-rat): 5000 mg/kg
Irritating to the eyes, skins and mucous membrane.
Corrosive.

•Recommended

Avoid contact with metallic compounds which catalyze the decomposition.

When handling this product, wear gloves, goggles, mask and protective clothes.

If eyes are contaminated, wash immediately with clean water for at least 15 minutes. In case of inhalation of concentrated vapor, take person to fresh air. In both cases, consult a physician.

- Neutralization.

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.

TRANSPORT

Refer MSDS.

Nr 2200 C — MAY, 2016

