



Copper(I) chloride, pearls

Product Data

Chemical Name:	Cuprous Chloride
Commercial Name:	Cuprous Chloride, pearls, 63/64 % Cu
Chem. formula	CuCl
Form and colour	Small grey-black pearls
Molecular weight	99,00 g/mol
CAS-No.:	7758-89-6
Thermal decomposition	not applicable
Special characteristics	it takes eagerly O ₂ from the air, whereby it transforms into cupric chloride
Solubility	- sparingly soluble in water - good soluble in hydrochloric acid and alkali halide solutions - soluble in ammonia, pyridine, acetonitrile, fumaric- and maleic acid.

Analysis

Specification	in % by weight
Cu in total	min. 63,2
CuCl	min. 97,0
Cu(II)	max. 1,0
CuCl ₂	max. 2,1
Fe	max. 0,04
Pb	max. 0,005
Zn	max. 0,02
H ₂ O	max. 0,25

Application

- ◆ As raw material for synthesis of copper-phthalocyanine-pigments
- ◆ As catalyst for several reactions in organic chemistry
- ◆ For removal of CO from compounds of gas

Storage

Cuprous chloride can be stored for up to 1 year if kept closed in the original packaging.

Packaging

25 kg PE-bags

Special advices for security

Information concerning

- ◆ classification and labelling according to the regulations governing transport and hazardous chemicals.
- ◆ protective measures for storage and handling
- ◆ safety measures in case of accident and fire
- ◆ toxicity and ecological effects

is given in our material safety data sheets.

Customs Tariff Number

2827 3980