

Marking

CAS-Number 7782-50-5

Characterization acc. ADR UN 1017, Chlorine, 2.3 (8)
Class 2, 2 TOC

Cylinder Marking**Essential properties**

Yellow-greenish, toxic, corrosive gas with characteristic odor, liquified, heavier than air

Symbols of Risks

toxic



oxidizing



environmental impact



gas, compressed

Physical Properties

molecular weight: 70,906 kg/kmol
 gas density at 0°C and 1,013 bar: 3,2149 kg/m³
 density ratio to air: 2,4865
 vapour pressure at 20°C: 6,776 bar

For additional safety information see Material-/safety data sheet No. *-CL2-022

Valves / Manifolds

Valve connection acc. to national standards

Recommended Manifolds Spectrocem FE 121 SP



Specifications / Forms of delivery				
		2.8	UHP	
Composition				
Cl ₂	>	99,8	99,998	Vol.-%
Impurities				
O ₂	<	150	4	ppmv
N ₂	<	600	1	ppmv
H ₂ O	<	12	2	ppmv
CO ₂	<	600	8	ppmv
H ₂	<	-	1	ppmv
HC	<	-	1	ppmv
Cylinders / Content				
F 10		12,0	-	kg
F 50		65,0	-	kg
F 47		-	45,0	kg

Remarks

Applications:
 Disinfection of swimming pools and drinking water and waste water treatment.
 In chemical and pharmaceutical industries chlorine is used as precursor for a lot of chemicals and drugs.

UHP: etching gas in semiconductor industries

For higher demands also barrel supply is possible.

Delivery only with ultimate consumers declaration!
 No delivery to private person!