Biocidal products

LIQUID CHLORINE

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GENERAL DESCRIPTION

Chlorine is a green-yellowish gas, with specific odour, irritating and choking.
The product easily liquefies under pressure even at normal temperature. Chlorine is heavier than the air and accumulates in lower areas. It easily dissolves in water, resulting in a yellow-greenish solution (chlorine water), unstable at contact with light. Chlorine easily dissolves in chlorinated organic solvents: chloroform, carbon tetrachloride, dichloroethane, etc.

TECHNICAL QUALITY CONDITIONS

No.	Characteristics	M.U.	Values
1	Chlorine (Cl_2), min. (v/v)	%	99.8
2	Water, max. (w/w)	ppm	35
3	Nitrogen trichloride (NCl_3), max.	ppm	12

APPLICATIONS

- production of hydrochloric acid;
- water purification;
- synthesis of some chemical products.

GENERAL CHARACTERISTICS

Specific Properties	Values
Molecular weight	70.914
Boiling point	-33.6°C
Vapour pressure at 20°C	6860 mmHg
Density in gaseous state at 0°C and 760 mm Hg	3.214 g/cm3
Density in liquid state at 0°C and 3.65 atm	1.47 g/cm3

The specific properties present approximate values and contain general information, without being part of the technical quality conditions.

PACKAGING

Liquid chlorine is packed in special tanks, supplier or customer property, and in cylinders or containers, customer property.

STORAGE

Liquid chlorine is stored in special equiped storage tanks.

TRANSPORT

Road transportation is made in special motor vehicles, accompanied by an authorized delegate, instructed in this respect. The rail tanks should be accompanied by an authorized delegate up to the Romanian border.

Methods for measuring the technical characteristics are available on request