

## LIQUID CHLORINE, GRADE S

<b>CHEMICAL NAME</b>	Chlorine
<b>CAS NUMBER</b>	7782-50-5
<b>TECHNICAL REQUIREMENTS</b>	Appearance ..... yellow liquid
	Chlorine, % (V/V) ..... min. 99,8 (LA/2131)**
	Water*, mg/kg ..... max. 20 (LA/2133)*
	(* ) – Guaranteed value
	(**) - The method is available upon request

<b>INFORMATIVE DATA</b>	Molar mass ..... 70,91 g/mole
	Solubility in water ..... partial
	Other solvents ..... alkali
	Density (20 °C, 9,8 bar) ..... 1,41 g/cm <sup>3</sup>
	Odor ..... characteristic, suffocating
	Freezing point (1013 hPa) ..... -101,05 °C
	Boiling point (1013 hPa) ..... -34,05 °C

**APPLICATION** Used in the paper and textile industries in bleaching process. It is also used in the disinfection of water as well as in domestic bleaching and bactericidal agents. It is one of the basic substrates in the production of many organics and inorganics chemicals f.ex. PVC - the main component in the synthesis (about 56%). It is used in the separation of metals such as copper, lead, zinc, nickel and gold from ores