

**Melting Point**

-101°C

Boiling Point

-34°C

Density0.0032 g/cm³**Appearance****Other Physical Properties****Chemical Properties**

Chlorine is reactive, very corrosive, and very poisonous.

Compounds

Chlorine forms crystalline compounds with metals. The most common compound containing chlorine is sodium chloride (table salt). Chlorine reacts explosively with hydrogen to form hydrogen chloride, which, when dissolved in water, produces hydrochloric acid.

Uses

Chlorine kills microbes in tap water and swimming pools. It is also a raw material used in the manufacture of plastics.

Notes

Chlorine is made by the electrolysis of sodium chloride solution.



▶ CHLORINE IS A HIGHLY POISONOUS, COLORED GAS.

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▶ SWIMMING POOL WATER IS REGULARLY TESTED TO MAKE SURE IT HAS THE RIGHT LEVEL OF CHLORINE TO KILL GERMS. HERE, COLOR CHANGE SOLUTION IS BEING POURED ONTO A COLORIMETER TO DETECT CHLORINE IN POOL WATER.

PHOTO: U.S. Air Force photo/Senior Airman Domonique Simmons