

**Melting Point**

113.5°C

**Boiling Point**

184.4°C

**Density**4.9 g/cm<sup>3</sup>**Appearance****Other Physical Properties**

Solid iodine slowly releases violet iodine gas at room temperature.

**Chemical Properties**

Iodine reacts readily with metals to form iodides.

**Compounds**

One compound of iodine is potassium iodide, a white solid.

**Uses**

In the human body, iodine is used to make the hormone thyroxin. In the form of potassium iodide, it is added to salt to prevent goiter. Iodine kills microorganisms and is used to make antiseptics.

**Notes**

Iodine is found in seawater. Iodine is concentrated in the tissues of seaweed. To obtain iodine, people extract it from harvested seaweed.



▶ **ALTHOUGH IODINE IS A BLACK-VIOLET SOLID AT ROOM TEMPERATURE, IT TURNS INTO A VIOLET GAS WHEN HEATED ABOVE 185°C.**

PHOTO: Picture from [www.bayerf.de](http://www.bayerf.de)