

## Iodine

### Definition of causal agent

At ambient temperature iodine is a dark grey, crystalline solid; heating produces a violet vapour

#### *Main occupational uses and sources of exposure:*

Manufacture of medicinal iodine-containing compounds for topical use; photographic processing.

### Toxicity and irritancy

#### Irritant effects

- irritation of the upper and lower respiratory tracts
- irritation of the eyes with corneal staining
- irritation of the skin, chemical burns, staining

*minimum intensity of exposure:* well above 0.1ppm

*minimum duration of exposure:* immediate

*induction period:* immediate

*maximum latent period:* a few minutes for acute irritant effects