

[Open Peer Review on Qeios](#)

Cadmium Sulfide

National Cancer Institute

Source

National Cancer Institute. *Cadmium Sulfide*. NCI Thesaurus. Code C45898.

A yellow to orange colored, crystalline, inorganic compound that forms toxic fumes of cadmium oxides when heated. Calcium sulfide is used as pigment in paints, plastics, textiles, ceramic and glass and is also used in solar cells, smoke and radiation detectors, light-emitting diodes and photomultipliers. Exposure to this substance irritates the eyes, skin and respiratory tract and causes damage to the lungs resulting in shortness of breath, chest pain and pulmonary edema, and can also damage the kidneys causing proteinuria and decreased renal function. Calcium sulfide is a known carcinogen and is associated with an elevated risk of developing lung cancer. (NCI05)