

Mercury (II) oxide

Chemical Name:	Mercury (II) oxide
Synonyms:	Mercury oxide (II)
CAS Number:	21908-53-2
EC Number:	244-654-7
Revision Number:	1-2026

Chemical identification and uses

Mercury (II) oxide, also known as mercury oxide (II), is a bright red or orange powder. It is primarily used in laboratory settings and various industrial applications.

Potential exposures

Exposure to Mercury (II) oxide can occur in industrial/manufacturing facilities and during the handling of the chemical. Workers may be exposed primarily through inhalation, skin, and eye contact. Adherence to good manufacturing and industrial hygiene practices is essential to prevent or reduce exposure.

Human Health hazards

It can cause severe irritation to the skin and eye upon exposure. May cause damage to organs through prolonged or repeated exposure. Mercury (II) oxide is not classified as a carcinogen by NTP, IARC, or OSHA.

Environmental Health hazards

Mercury (II) oxide is not expected to be toxic to aquatic life. The methods for determining biodegradability are not applicable to inorganic substances. Proper environmental control measures should be implemented to prevent further leakage or spillage.

For more detailed safety and regulatory information, please refer to the Safety Data Sheet (SDS) or contact Solstice at PSCustomerCare@Solstice.com. Additional information can also be found on PubChem.

- [Pubchem -Mercury \(II\) oxide](#)



This product stewardship summary is intended to provide general information about Mercury (II) oxide. It should not replace the detailed safety and handling guidelines found in the SDS. The summary does not constitute a warranty or recommendation for any specific use of the chemical.