

Product Stewardship Summary

Lead (IV) oxide

Chemical Name:	Lead (IV) oxide
Synonyms:	Lead dioxide
CAS Number:	1309-60-0
EC (EINECS) Number:	215-174-5
Revision Number:	1-2026

Chemical identification and uses

Lead (IV) oxide, also known as lead dioxide, is a dark brown, odorless powder primarily used in laboratory settings and various industrial applications.

Potential exposures

Exposure to Lead (IV) 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

Lead (IV) oxide is harmful if swallowed or inhaled. Prolonged or repeated exposure may cause damage to organs. It may damage fertility or the unborn child. Lead (IV) oxide has been classified by IARC as a probable carcinogen to humans (Group 2A) and reasonably anticipated to be a human carcinogen (NTP).

Environmental Health hazards

Lead (IV) oxide is classified as toxic to aquatic life. Proper environmental control measures should be implemented to prevent further leakage or spillage.

This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.



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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 - Lead \(IV\) oxide](#)

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