

Product Stewardship Summary

Silicium Dioxide

Chemical name:	Silicium dioxide
Synonyms:	Quartz (SiO ₂)
CAS Number:	14808-60-7
EINECS Number:	238-878-4
Revision Number:	1-2026

Chemical identification and uses

Silicium dioxide, also known as quartz (SiO₂), is a white, odorless, solid substance. It is primarily used in laboratory settings as well as in various industrial applications.

Potential exposures

Exposure to silicium dioxide can occur in industrial/manufacturing facilities and during the handling of the chemical. Workers may be exposed primarily through inhalation and skin contact. Adherence to good manufacturing and industrial hygiene practices is essential to prevent or reduce exposure.

Human Health hazards

- Carcinogenicity: May cause cancer by inhalation. Quartz (SiO₂) is classified as a Group 1 carcinogen by IARC and a known carcinogen by NTP.
- Specific target organ toxicity: Causes damage to the respiratory system through prolonged or repeated exposure.
- ACGIH has established Time Weighted Average of 0.025 mg/m³. NIOSH Recommended Exposure Limit is .05 mg/m³

Environmental Health hazards

- Ecotoxicity effects: No data available.

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.



Product Stewardship Summary

- Environmental precautions: Prevent the product from entering drains and avoid creating dust.

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.

[Silicon Dioxide | SiO₂ | CID 24261 - PubChem](#)

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.