

Sodium borohydride

Product Stewardship Summary

Chemical Name:	Sodium borohydride
Synonyms:	Sodium tetrahydridoborate, Sodium tetrahydroborate
CAS Number:	16940-66-2, 15681-89-7
EC (EINECS) Number:	241-004-4
Revision number:	1-2026

- **Chemical identification and uses:** Sodium borohydride is an inorganic sodium salt. It is a flammable solid, usually encountered as a white-gray crystalline powder. It is a reducing agent used to synthesize other chemicals for subsequent use in a variety of industries such as paper manufacturing, plastic manufacturing, the recycling of metals, and antibiotic production, and is also used to treat wastewater.
- **Potential exposures:** Exposure to sodium borohydride can occur in industrial/manufacturing facilities and/or laboratories involved in chemical synthesis. Workers risk exposure primarily through skin and eye contact, as well as inhalation. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.
- **Human Health hazards:** Sodium borohydride causes severe skin burns and eye damage, and is also toxic if swallowed. It also may cause reproductive or developmental harm based on animal studies. It reacts violently with water and should be stored in containers that reduce exposure to moisture. Harm can occur through various routes and proper PPE should be worn at all times when handling. One should refer to the Safety Data Sheet (SDS) for additional information and any specific protective information. It is not considered a carcinogen by NTP, IARC, or OSHA.
- **Environmental Health hazards:** Sodium borohydride is not toxic to aquatic life, but should not be flushed into surface water or sanitary sewer systems due to its propensity to react violently with water.
- Please contact us at PSCustomerCare@Solstice.com for more information. Additional information may also be found at the following links:
 - [EPA - Sodium borohydride](#)
 - [Pubchem - Sodium borohydride](#)

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.