

Sodium perborate tetrahydrate

Product Stewardship Summary

Chemical Name:	Sodium perborate tetrahydrate
Synonyms:	Sodium perborate-4-hydrate; Boranolate, 1,1-dioxo-, sodium salt, hydrate (1:1:4); Sodium dioxo-lambda~5~-boranolate--water (1/1/4)
CAS Number:	10486-00-7
EC (EINECS) Number:	231-556-4
Revision number:	1-2026

- **Chemical identification and uses:** Sodium perborate tetrahydrate is a hexahydrate of sodium perborate that typically appears as a white, odorless, water-soluble crystalline powder. It is used primarily as an oxidizing and bleaching agent in detergents, and also in cleaning and cosmetic preparations.
- **Potential exposures:** Exposure to sodium perborate tetrahydrate can occur in industrial/manufacturing facilities and/or during consumer use where products containing the compound are used (e.g. using certain detergents to clean laundry). Workers and consumers risk exposure primarily through skin and/or eye contact and 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 perborate tetrahydrate is harmful if swallowed, causes serious eye damage and may damager fertility or the unborn child. As such, the compound should not be handled until all safety precautions have been read and understood. Also, as an oxidizer, it may intensify fire. One should refer to See the Safety Data Sheet (SDS) for additional information and any protective information. It is not considered a carcinogen by OSHA, NTP or IARC.
- **Environmental Health hazards:** Sodium perborate tetrahydrate is not toxic to aquatic life.
- Please contact us at PSCustomerCare@Solstice.com for more information. Additional information may also be found at the following links:

[EPA - sodium perborate tetrahydrate](#)

[Pubchem - sodium perborate tetrahydrate](#)

[European Risk Assessment Report – perboric acid, sodium salt](#)

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.