

# *Sodium tetraborate decahydrate*

## *Product Stewardship Summary*

Chemical Name:	Sodium tetraborate decahydrate
Synonyms:	Borax ( $B_4Na_2O_7 \cdot 10H_2O$ ); Boric acid ( $H_2B_4O_7$ ), disodium salt, decahydrate; tincal; tincar
CAS Number:	1303-96-4
EC (EINECS) Number:	603-411-9
Revision number:	1-2026

- **Chemical identification and uses:** Sodium tetraborate decahydrate, commonly known as Borax, is a hydrated borate salt of sodium. It typically appears as a colorless crystalline solid. Sodium tetraborate decahydrate is used in a wide variety of industrial and household applications, as well as a buffering agent in laboratories. In terms of industry, it can be used in the manufacture of glazes, enamels, and soldering fluxes and to fireproof textiles and wood. In terms of household applications, it can be used in disinfectants and biocides.
- **Potential exposures:** Exposure to sodium tetraborate decahydrate can occur in industrial/manufacturing facilities, chemical laboratories, and during consumer/household use. Workers, laboratory personnel, and consumers risk exposure primarily through skin contact, inhalation, and ingestion. 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:** While it is not classified in the Globally Harmonized System (GHS) as an acute toxic substance, sodium tetraborate decahydrate is classified as a chronic health hazard for reproductive toxicity; exposure may damage fertility and/or the unborn child. As such, anyone with exposure to the compound should avoid inhalation, ingestion, and contact with skin and eyes, while donning appropriate PPE. 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 tetraborate decahydrate is not toxic to aquatic life, but leakage and spillage should be prevented, and it should be disposed of at an approved waste disposal plant.
- Please contact us at [PSCustomerCare@Solstice.com](mailto:PSCustomerCare@Solstice.com) for more information. Additional information may also be found at the following links:

[EPA - sodium tetraborate decahydrate](#)  
[Pubchem - sodium tetraborate decahydrate](#)

*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.*