

Boric Acid 4%

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| Chemical name | Boric acid |
| Synonyms | Hydrogen borate, Boracic acid |
| CAS Number | 10043-35-3 |
| EINECS Number | 233-139-2 |
| Revision Number | 1-2024 |

Chemical identification and uses

Boric acid is an odorless white solid, known scientifically as hydrogen borate. This product is a colorless liquid when in a 4% solution form. This chemical is widely used in laboratory settings as well as in various industrial applications due to its properties. As such boric acid is reported to be used as an insecticide to kill ants and roaches, as a soldering flux, a flame retardant and weatherproofing agent; also used as an additive to dyes, nickeling baths, film developers, glass, enamels, soaps, paints, paper, adhesives, and steel

Potential exposures

Exposure to boric acid can occur in industrial and manufacturing facilities, as well as during the handling and use of the chemical. Workers may be exposed primarily through inhalation, skin, and eye contact. It is crucial to adhere to good manufacturing and industrial hygiene practices to minimize exposure.

Human Health hazards

It is harmful if swallowed. It may damage fertility or the unborn child and is classified as a reproductive toxicant. Repeated or prolonged exposure may irritate eyes, skin, and the respiratory system. It is not identified as a carcinogen by NTP, IARC, or OSHA.

Environmental Health hazards

Boric acid is found in nature as the mineral sassolite and is the predominant form of [boron](#) in natural waters. It is not expected to be toxic to aquatic life in this concentration.

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

For more detailed safety and regulatory information, please refer to the Safety Data Sheet (SDS) or contact Honeywell at ESSPSCustomerCare@Honeywell.com. Additional information can also be found on PubChem – [Boric acid](#)

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