

# Tetrafluoroboric acid 50%

<b>Chemical name</b>	Tetrafluoroboric acid
<b>Synonyms</b>	Fluoroboric acid
<b>CAS Number</b>	16872-11-0
<b>EC (EINECS) Number</b>	241-112-8
<b>Revision Number</b>	1-2026

## Chemical identification and uses

Tetrafluoroboric acid, also known as fluoroboric acid, is a colorless, odorless liquid primarily used in electroplating materials. It is essential in various industrial processes due to its effective properties.

## Potential exposures

Exposure to Tetrafluoroboric acid can occur in industrial/manufacturing facilities during handling. Workers may be exposed through:

- Inhalation
- Skin contact
- Eye contact

Adherence to good manufacturing and industrial hygiene practices is essential to prevent or reduce exposure.

## Human Health hazards

- Acute toxicity: May be harmful if swallowed. Toxic if inhaled.
- Skin and eye irritation: Causes severe skin burns and eye damage.
- Reproductive toxicity: May damage fertility or the unborn child. Classified as a reproductive toxicant.
- Other information: Not classified as a carcinogen by NTP, IARC, or OSHA.

*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*

- ACGIH has established Time Weighted Average of 2 mg/m<sup>3</sup>. NIOSH Recommended Exposure Limit is 2.5 mg/m<sup>3</sup>.

## Environmental Health hazards

- Aquatic toxicity: Not expected to be toxic to aquatic life.
- Biodegradability: The methods for determining biodegradability are not applicable to inorganic substances.
- Environmental precautions: Proper environmental control measures should be implemented to prevent further leakage or spillage.

For more detailed safety and regulatory information, please refer to the Safety Data Sheet (SDS) or contact Solstice at [PSCustomerCare@Solstice.com](mailto:PSCustomerCare@Solstice.com). Additional information can also be found on PubChem.

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