Product Stewardship Summary

Tetrafluoroboric acid 50%

Chemical name	Tetrafluoroboric acid
Synonyms	Fluoroboric acid
CAS Number	16872-11-0
EC (EINECS) Number	241-112-8
Revision Number	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.

- ACGIH has established Time Weighted Average of 2 mg/m3. NIOSH Recommended Exposure Limit is 2.5 mg/m3.

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. Additional information can also be found on PubChem.

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