

**Identification**

HF  
M = 20,00 g/mol  
CAS [7664-39-3]  
EC number: 231-634-8  
Taric code: 2811 11 00

**Applications**

analytical chemistry, acidifying agent, dissolution agent for silicates.

**Specifications**

assay (acidimetric).....	min. 48 %	sulfites (SO <sub>3</sub> ) .....	max. 0,002 %
chlorides (Cl).....	max. 0,002 %	heavy metals (as Pb).....	max. 5 ppm
hexafluorosilicate (SiF <sub>6</sub> ).....	max. 0,01 %	iron (Fe).....	max. 1 ppm
sulfates (SO <sub>4</sub> ).....	max. 0,001 %	residue on ignition (as SO <sub>4</sub> ).....	max. 0,002 %

**Physical data**

- Density: 1,16 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: ~ -35 °C
- Boiling point: ~ 106 °C
- pH(20 °C) < 1

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H310: Fatal in contact with skin.  
H330: Fatal if inhaled.  
H314: Causes severe skin burns and eye damage.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.  
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor / physician.  
P320: Specific treatment is urgent (see on this label).  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 8 CT1 II • UN 1790 • HYDROFLUORIC ACID
- IMDG: 8 II • UN 1790 • HYDROFLUORIC ACID
- IATA/ICAO: 8 II • UN 1790 • HYDROFLUORIC ACID
- PAX: 809
- CAO: 813
- 10°C - 30°C