

Identification

KF
M = 58,10 g/mol
CAS [7789-23-3]
EC number: 232-151-5
Taric code: 2826 19 90

Synonyms

Fluorine potassium

Applications

synthesis of organic products (fluorides), insecticide.

Specifications

assay.....	min. 99 %	hexafluorosilicate (SiF ₆).....	max. 0,1 %
insoluble in water.....	max. 0,1 %	sulfates (SO ₄).....	max. 0,1 %
free acid (as HF).....	max. 0,2 %	heavy metals (as Pb).....	max. 0,003 %
free alkali (as KOH).....	max. 0,1 %	iron (Fe).....	max. 0,003 %
chlorides (Cl).....	max. 0,01 %	residue on ignition (500 °C, 15 min).....	max. 0,3 %

Physical data

- Appearance: crystalline powder, white
- Spec. Density: 2,49 g/cm³
- Bulk density: ~ 400 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: ~ 855 °C
- Boiling point: 1500 °C
- Vapour pressure: (885 °C) 1,3 hPa
- pH(20° C) > 7

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.

**Precautionary Statements:**

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P321: Specific treatment (see on this label).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T5 III • UN 1812 • POTASSIUM FLUORIDE, SOLID
- IMDG: 6.1 III • UN 1812 • POTASSIUM FLUORIDE, SOLID
- IATA/ICAO: 6.1 III • UN 1812 • POTASSIUM FLUORIDE, SOLID
- PAX: 619
- CAO: 619
- 10°C - 30°C