

Identification

NaF
M = 41,99 g/mol
CAS [7681-49-4]
EC number: 231-667-8
Taric code: 2826 19 10

Synonyms

Chemifluor, Ossalin, Ossin, Zymafluor

Applications

analytical chemistry, laboratory reagent, in the production of enamels, insecticide, in fluoridation of drinking water, in pharma industry.

Specifications

assay (complexometric, on dried sample).....	98,5 - 100,5 %	acidity or alkalinity.....	passes test
assay (LC, calculated on the dried basis).....	98,0 - 102,0 %	chlorides (Cl).....	max. 200 ppm
Identification A (EP).....	passes test	chlorides (Cl ⁻) (LC).....	max. 0,012 %
Identification B (EP).....	passes test	fluorosilicates.....	passes test
Identification C (EP) / B (USP).....	passes test	sulfates (SO ₄).....	max. 200 ppm
Identification A (USP).....	passes test	loss on drying (130 °C).....	max. 0,5 %
appearance of solution.....	clear and colourless	loss on drying (150 °C).....	max. 1,0 %

Physical data

- Appearance: crystalline powder, white
- Spec. Density: 2,8 g/cm³
- Bulk density: ~ 800 kg/m³
- Solub. in water: (20 °C): 42 g/l
- Melting point: 996 °C
- Boiling point: 1695 °C
- Vapour pressure: (1077 °C) 1 hPa
- pH(40 g/l H₂O, 20 °C) ~ 10,2

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H301: Toxic if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
EUH032: Contact with acids liberates very toxic gas.



Precautionary Statements:

- P280: Wear protective gloves / protective clothing / eye protection / face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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 1690 • SODIUM FLUORIDE, SOLID
- IMDG: 6.1 III • UN 1690 • SODIUM FLUORIDE, SOLID
- IATA/ICAO: 6.1 III • UN 1690 • SODIUM FLUORIDE, SOLID
- PAX: 619
- CAO: 619
- 10°C - 30°C