

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 %	chlorides (Cl).....	max. 0,012 %
identification.....	passes test	fluorosilicates.....	passes test
appearance of solution.....	clear and colourless	sulfates (SO ₄).....	max. 200 ppm
acidity or alkalinity.....	passes test	loss on drying (130 °C).....	max. 0,5 %
		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:

- P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
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).
P362: Take off contaminated clothing and wash before reuse.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 52 mg/kg
- MAK: 2,5 mg/m³
- WGK: 1
- Poison class CH (Swiss): 3

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