

Identification

Na₂B₄O₇
M = 201,22 g/mol
CAS [1330-43-4]
EC number: 215-540-4
Taric code: 2840 11 00

Synonyms

Sodium biborate, Sodium borate, Borax

Applications

in radiology applications, synthesis of organic products, cosmetics, for pharmaceuticals synthesizing.

Specifications

assay (acidimetric).....	min. 98 %	copper (Cu).....	max. 0,005 %
insoluble in water.....	max. 0,05 %	heavy metals (as Pb).....	max. 0,005 %
chlorides (Cl).....	max. 0,05 %	iron (Fe).....	max. 0,005 %
phosphates (as PO ₄).....	max. 0,005 %	lead (Pb).....	max. 0,005 %
sulfates (SO ₄).....	max. 0,05 %	magnesium (Mg).....	max. 0,02 %
calcium (Ca).....	max. 0,02 %	nickel (Ni).....	max. 0,005 %
		potassium (K).....	max. 0,05 %

Physical data

- Appearance: crystals or powder, colourless or white
- Spec. Density: 2,37 g/cm³
- Bulk density: ~ 700 kg/m³
- Solub. in water: (20 °C): 25,6 g/l
- Melting point: 742 °C
- Boiling point: 1575 °C (decomposes)
- Vapour pressure: (1200 °C) 7,3 hPa
- pH(25 g/l H₂O, 20 °C) 9,2

Safety - GHS

Signal Word: Danger

Hazard Statements:

H360FD: May damage fertility. May damage the unborn child.



Precautionary Statements:

- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P308+P313: IF exposed or concerned: Get medical advice / attention.
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C