

**Identification**

Na<sub>2</sub>B<sub>4</sub>O<sub>7</sub>  
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 <sub>4</sub> ).....	max. 0,005 %	lead (Pb).....	max. 0,005 %
sulfates (SO <sub>4</sub> ).....	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/cm<sup>3</sup>
- Bulk density: ~ 700 kg/m<sup>3</sup>
- 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 H<sub>2</sub>O, 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