

BORAX 5 MOLES (Pentahydrate)

TECHNICAL DATA SHEET

BC02240E

UN: Not regulated

CAS: 11130-12-4

CHEMICAL FORMULA: $\text{Na}_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$

MOLECULAR WEIGHT: 291.35

PHYSICAL PROPERTIES

Borax pentahydrate is a white, odourless crystalline solid.

SPECIFIC GRAVITY	1.815
MELTING POINT, °C	200
BULK DENSITY, Kg/m ³	1060
pH (3% solution at 20°C)	9.25
SOLUBILITY IN WATER, % - @ 20 °C - @ 100 °C	3.6 50.13

APPLICATIONS

- Antifreeze solutions
- Liquid starches
- Adhesives
- Manufacture of borate compounds
- Glass and ceramics
- Fire retardants
- Sterilizing agents
- Cleaning compounds
- Rust inhibitors
- Laundry starches

SPECIFICATIONS

B_2O_3 , %	48.00 min.
Na_2O , %	21.37 min.
SULPHATE (SO_4), ppm	200 max.
CHLORIDE (Cl), ppm	70 max.
IRON (Fe), ppm	3 max.
WATER INSOLUBLE, ppm	150 max.

SCREEN ANALYSIS

+1.18 mm, %	4.0 max.
- 0.075 mm, %	5.0 max.

COMMERCIAL INFORMATION

Borax pentahydrate is available in bags and tote bags.

CONSTRUCTION MATERIALS

Borax pentahydrate is compatible with all common materials.

Before using this product, read material safety data sheet and container label.

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