

TECHNICAL DATA SHEET

Product: BORAX DECAHYDRATE

Synonyms: Di-sodium Tetraborate Decahydrate, Sodium Borate Decahydrate,

10 mol Borax

CAS# 1303-96-4

Formula: Na₂B₄O₇.10H₂O

Product Description: Borax Decahydrate is a white, odorless and hygroscopic product

available in crystalline granular or powder forms. Borax Decahydrate is directly produced from naturally occurring resources by refinement and recrystallization. It is mildly alkaline in nature and commonly used as a

buffering salt.

Packaging: Borax decahydrate is available in 25 kg (55lb.) multi-wall paper or plastic

bags and in 1000 kg (2200lb) bulk bag packaging.

Applications: - Fluxing agent

- Water Softener and Buffering Agent

Soaps and Detergent formulations

Agriculture

- Corrosion Inhibition

Lubricant

Antifreeze

Adhesives

Flame retardant

Precautions: Borax Decahydrate is chemically stable, however, it is advised to store

Borax Decahydrate under dry, cool and steady temperature conditions. During storage and transport avoid any wide variation in temperature. With temperature cycling and exposure to humid environment, Borax Decahydrate shows a strong tendency for inter-particle bridging or

caking.



Typical properties of Borax Decahydrate:

Component	Unit	Specification (min-max)		Typical Value
B ₂ O ₃	%	3	6.47- 38.50%	38%
Na₂O	%	16.24 – 17.14%		17%
SO ₄	ppm		135 max.	100 ppm
Fe	ppm		10 max.	3 ppm
CI	ppm	70 max.		22 ppm
Purity	%		99.90 min.	100%
Dry Sieve Analysis				
Size	US Mesh	Unit	Specification	Typical value
+ 1.180 mm	+ 16	%	4.0 max.	1.6
- 0.063 mm	- 230	%	4.0 max.	3.0

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