



SICOBOR min. 20.5% B (67% B₂O₃), Soluble Boron DISODIUM OCTOBORATE TETRAHYDATE (Na₂B₈O₁₃·4H₂O)

- Origin: Argentina -

revised 16/03/2018

1/ GENERAL INFORMATION

Chemical name: Disodium Octaborate Tetrahydrate (DOT)
Trade name: SICOBOR, Sodium Octaborate Tetrahydrate
Chemical formula: Na₂B₈O₁₃·4H₂O
CAS number: 12280-03-4
EC number: 234-541-0
Description: White fine powder, without foreign matters

2/ CHEMICAL AND PHYSICAL PROPERTIES

* CHEMICAL COMPOSITION & ANALYSIS

- Parameter

	Typical values	Guaranteed values
B ₂ O ₃	67.00 %	66.01 % min.
Na ₂ O	14.73 %	-
H ₂ O (by difference)	18.27 %	-
B	20.80 - 21 %	20.50 % min.

- Solubility

Temperature °C	Weight %
0	2.4
10	4.4
20	9.7
30	21.8
40	27.3
50	34.3

- pH

Solution % (w/w)	pH at 20° C
1	8.5
2	8.4
3	8.3
5	8.0
10	7.6

* PHYSICAL DATA

- Particle size distribution

Micron	% retained typical	% retained guaranteed
300	0.2	0.5 max.
88	8	20 max.

- Bulk density

kg/dm³ 0.64 +/- 0.04

3/ PACKING

in 25 kg pp bags with label, 18.5 MT/20' fcl (without pallets) or 26 MT/40' fcl (without pallets)

4/ STORAGE RECOMMENDATIONS

The product maintains its chemical properties for over three years provided that it is stocked in a fresh and dry place in order to avoid caking.

5/ USES/APPLICATIONS

See the Safety Data Sheet, section 1.2, available on request.