

TECHNICAL DATA SHEET

Product:	ETIDOT-67
Synonyms:	Di-sodium Octaborate Tetrahydrate, DOT
CAS#	12280-03-4
Formula:	$\text{Na}_2\text{B}_8\text{O}_{13} \cdot 4\text{H}_2\text{O}$
Product Description:	Etidot-67 is a white, odorless low density powder product. Etidot-67 is the most soluble and has the highest Boron content per unit mass amongst all other Borates (approximately 21%). It is mildly alkaline. Etidot-67 is highly prone to absorb moisture.
Packaging:	Etidot-67 is available in 20 kg (44 lb.) and 600 kg (1300 lb.) plastic bags.
Applications:	<ul style="list-style-type: none"> - Agriculture and plant protection - Pesticides - Wood treatment
Precautions:	Etidot-67 is chemically stable, however, it is advised to store this product in closed or sealed packages under cool and dry storage conditions. Strictly avoid any moisture ingress during storage and handling.

Typical properties of Etidot-67:

<i>Property</i>	<i>Typical Value</i>
Appearance	Fine fluffy white powder
Bulk Density	25-35 lb/ft ³ (500-550kg/m ³)
Solubility in water at 20°C, 30°C and 50°C	Approximately 9.5%, 22% and 32% respectively
Solubility in Glycerol at 20°C	23%
Solution pH at 20°C (1%, 5% and 10%)	8.5, 8 and 7.5

Chemical Analysis			
Component	Unit	Specification	Typical Value
B ₂ O ₃	%	67.0 min.	67
Na ₂ O	%	14.92 min.	15
SO ₄	ppm	-	500
Fe	ppm	-	7
Cl	ppm	-	75
Water Insoluble	ppm	-	250
Purity	%	99.90 min.	100

Dry Sieve Analysis

Size	Unit	US Mesh	Specification	Typical Value
- 0.090 mm	%	170	50.0 min.	65

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