

---

---

# Product Bulletin

---

---

Trade Name	addiChem™ - APB	
Chemical Name	Ammonium Pentaborate	
CAS Registry No.	12046-04-7	
Description	White crystalline, granular product	
Applications/Markets	Corrosion inhibitor Electrolytic capacitors Fluxes for welding, brazing, soldering Flame retardant	
Theoretical Composition	Boric Oxide, B <sub>2</sub> O <sub>3</sub>	63.95%
	Ammonium Oxide, (NH <sub>4</sub> ) <sub>2</sub> O	9.57%
	Crystallization Water, H <sub>2</sub> O	26.48%
Other Typical Properties	Sp. Gr.	1.58 ± 0.1
	Retained on 70 Mesh	<10%
	pH of 1% wt aqueous sol.	8.35
	Solubility in water, % by wt.	
	@ 20° C	9.6
	@ 50° C	19.6
	@ 90° C	41.2

---

We specialize in *additive* value!

---

This information is believed to be an accurate and reliable representation of the products average properties and it is offered in good faith but without guarantee and may be modified by later findings. The manufacturer makes no warranties, express or implied, regarding the accuracy, completeness, or adequacy of the information contained herein. Any recommendations or suggestions are also made without warranty or guarantee, since the conditions of use are beyond our control. It is the obligation of the customer/user to make its own assessment to determine suitability of use for any purpose, including, the appropriate health, safety, disposal, and environmental precautions necessary in each products intended use(s).

---