



鈞泰化工股份有限公司
ACE CHEMICAL CORP.

Aceox[®]

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Aceox[®] ZB-2335

PRODUCT DATA SHEET

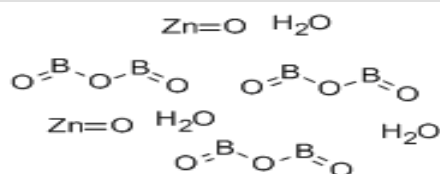
Zinc Borate

Issued Date 2010/09/01

Description

Aceox ZB2335 is one environmental-friendly halogen-free flame retardant. Its properties on non-toxicity, slight solubility in water, good thermal stability, fine particle size, low specific gravity, great free-flowing etc and widely used in plastic, rubber, coating etc fields.

Chemical structure



CAS No. / 1332-07-6

MW / 434.62

Molecular formula: $2ZnO \cdot 3B_2O_3 \cdot 3.5H_2O$

Specifications

Typical Properties	Unit	Excellent grade	First grade
Whiteness		98	95
Surface water	%	0.5	1.0
Particle size	μm	3-5	3-5
ZnO	%	37.0-40.0	
B ₂ O ₃	%	45.0-48.0	
Loss on ignition, H ₂ O (hydrate)	%	13.5-14.5	
Fineness (Residue on 45 μm sieve)	%	0.1 max	
Specific gravity	g/cm^3	2.67	
Melting point	$^{\circ}C$	980	
Temp. of dehydration	$^{\circ}C$	320	
Refractive index		1.58	

Applications

- Aceox ZB-2335 is used as multi-functional synergistic additives with Sb₂O₃ or other halogenated flame retardants to significantly improve the flame retardant performance, remove smoke emission and adjust the balance on chemical, mechanical, electrical etc properties.
- Aceox ZB-2335 presents as environmental protection substitute to replace Sb₂O₃ or halogen flame retardants. It is directly used in PVC, PE, EPOXY, PA etc resins and natural rubber, SBR, CR etc rubber process.
- Base on its chemical properties, Zinc borate is also used on anti-corrosion, infra red absorption, fungicide for wood preservation etc fields.

Packaging and storage

- Packaging: 25 kg/bag or 500 kg/bag, and design package according to order.