

# SULFAMET

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## TECHNICAL DATA SHEET

Name of product	Zinc borate 3.5 water
Molecular formula:	$2\text{ZnO} \cdot 3\text{B}_2\text{O}_3 \cdot 3.5\text{H}_2\text{O}$
Class No.:	Flame retardant
Item (%)	Standard (%)
Appearance	White powder
Surface water % <	1.0
ZnO %	37.0-40.0
B <sub>2</sub> O <sub>3</sub> %	45.0-48.0
H <sub>2</sub> O (hydrate) %	13.5-15.5
Particle size, um	4-7
Fineness(Residue on 45um sieve) % <	0.1
Specific gravity, g/cm <sup>3</sup>	2.67
Melting point °C	980
temp, of dehydration °C >	320
Refractive index	1.58
CAS NO.	1332-07-6

### Applications

Zinc Borate is one multifunctional synergistic flame retardant with Antimony Oxide etc additives in polymers to improve flame retardant performance, it can reduce smoke evolution and adjust the balance of flame retardant properties versus mechanical, electrical and other properties.

Zinc Borate is widely used in PVC applications such as carpet, conveyor belt, wire and cable, and in Nylon, PE, PP etc engineering plastics of halogen free flame retardant syst emsbased on Al(OH)<sub>3</sub> and Mg(OH)<sub>2</sub>, intumescent coating and painting, ceramic glaze, milk glass, decorative paper etc fields.

Zinc Borate is also used in wood composite as fungicide to prevent from decay fungi and subterranean termites.

Zinc Borate 3.5 water particle size is the smallest, it is recommended to wire and cable applications that need much fine particle size fields

Stored in cool, dry and well ventilated environment.

Packed and transported as normal chemical goods.

Standard package is 25 kg/bag.