

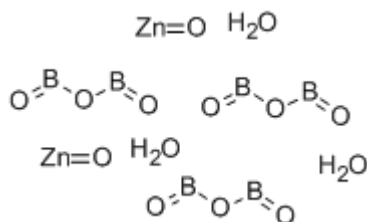
## TECHNICAL DATA SHEET

**NAME OF COMMODITY: ZINC BORATE**

**CAS NO.:** 1332-07-6

**MOLECULAR FORMULA:**  $ZnB_4O_7$

**MOLECULAR WEIGHT:** 220.61



**STRUCTURE FORMULA:**

TESTS	SPECIFICATIONS
Appearance	White powder
WHITENESS	99
SURFACE WATER %	0.5 Max
PARTICLE SIZE	3 - 5 $\mu m$
PB, PPM	10 Max
CD, PPM	5 Max
ZNO	37.0 - 40.0%
$B_2O_3$	46.0 - 48.0%
$H_2O$ (HYDRATE)	13.0 - 15.5%
FINENESS (on 45 $\mu m$ SIEVE)	0.1% Min
SPECIFIC GRAVITY	2.67g/cm <sup>3</sup>
MELTING POINT	980°C
TEMP. OF DEHYDRATION	290°C
REFRACTIVE INDEX	1.58

**APPLICATION:**

Zinc borate is inorganic additive-type flame retardant and has good heat stability, flame suppression and prevention. It can replace antimonous oxide but it also is used with other inorganic flame retardants.

Widely used in rubber, plastic, wood, cable, coating, etc.

**PACKING:** net 25KG bag, 18MT / 20' FCL, palletized