

SmokeShield[®] ZB4

Zinc Borate

SmokeShield[®] ZB4 is a flame retardant/smoke suppressant used in a wide variety of thermoplastic and thermoset resin systems.

CAS Reg. Number: [138265-88-0]

Formula: $4ZnO \cdot 6B_2O_3 \cdot 7H_2O$

Typical Properties	
Appearance	Fine White Powder
ZnO Content	36.4 to 38.4%
B ₂ O ₃ Content	47.1 to 49.1%
Moisture	≤ 0.35%
Particle Size, D50	4 to 7 Microns

Applications

SmokeShield[®] ZB4 is an effective smoke suppressant in halogenated polymers, particularly PVC, acting in the condensed phase as a charformer. It also acts as a flame retardant synergist and a partial replacement of antimony oxide in many thermoplastic and thermoset applications.

Packaging

Standard package is a 25 kg bag.

Health and Safety

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Please wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area, away from incompatible materials. For additional handling and toxicological information, consult the St. Louis Group Material Safety Data Sheet.

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. This document does not constitute a specification. 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).

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