



## Technical Information

### **ONGARD<sup>®</sup> 2**

#### **Flame Retardant Smoke Suppressant**

**Ongard<sup>®</sup> 2** is a proprietary inorganic complex free of antimony, which has been developed as a flame retardant and smoke suppressant for rigid and flexible PVC.

Zinc and Magnesium Inorganic Complex

CAS Reg. Number Proprietary

	<b>Typical Properties</b>	
<b>Proprietary Inorganic Complex</b>	Appearance	White Powder
	Specific Gravity @ 25 °C, g/ml	4.4
	Tint Strength % Std	30
	Wt. Loss @ 105oC for 2 hrs %	0.05
	Average Particle Size, microns	1 – 2

**Ongard 2** is as a smoke suppressant, particularly in PVC. For rigid PVC the addition of **Ongard 2** reduces smoke in a polymer which already has low flammability. For PVC plasticized with phthalate plasticizers, **Ongard 2** can be used in combination with antimony trioxide to produce flame retardant, smoke suppressed compounds. **Ongard 2** also reduces smoke from PVC compounds plasticized with phosphate plasticizers. **Ongard 2** is used for a variety of applications including wire and cable compositions, rigid and flexible PVC film sheet and PVC coatings on fabric and carpet backing.

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 6 to 12 months from the date of receipt. For additional handling and toxicological information, consult the GLCC Material Safety Data Sheet.