Ongard® 2  
Flame Retardant Smoke Suppressant

Ongard® 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.

CHEMICAL STRUCTURE
Zinc and Magnesium Inorganic Complex  
CAS Reg. Number Proprietary

APPLICATIONS
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.

STORAGE AND HANDLING PRECAUTIONS
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.

<table>
<thead>
<tr>
<th>Proprietary Inorganic Complex</th>
<th>Appearance</th>
<th>White Powder</th>
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<tbody>
<tr>
<td></td>
<td>Specific Gravity @ 25°C, g/ml</td>
<td>4.4</td>
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<tr>
<td></td>
<td>Tint Strength % Std</td>
<td>30</td>
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<tr>
<td></td>
<td>Wt. Loss @ 105°C for 2 hrs %</td>
<td>0.05</td>
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<tr>
<td></td>
<td>Average Particle Size, microns</td>
<td>1 – 2</td>
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