



Product Finder

### Halogen-Free Fire Retardant Additives

Alumina Trihydrate  
**Magnesium Hydroxide**  
 Kemgard® Molybdate Flame Retardants and Smoke Suppressants  
 Huber Flame Retardant / Smoke Suppressant Applications

Nutrition Calcium

Cast Polymer Performance Materials

Calcium Carbonate

Specialty Aluminas

Pergopak® Organic Flattening and Matting Agents

ISO Certifications

### Phosphorus, Inorganic & Nitrogen Flame Retardants Association


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### Magnesium Hydroxide Fire Retardant Additives (MDH)

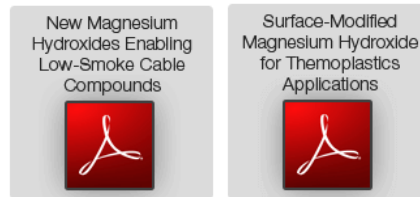
Huber's magnesium hydroxide (MDH) products are flame retardants and smoke suppressants utilized in applications where processing temperatures are above 200 °C.

While having the same fire retardant mechanism as ATH, there is one key difference: MDH undergoes endothermic decomposition when water is released at 330 °C or 626 °F. (ATH decomposes at 220 °C.) That means it is thermally stable at temperatures up to 110 °C higher than ATH.

Formulators can also blend MDH with ATH to achieve improved flame retardancy in a variety of polymer systems. [Click here to learn more about blending.](#)

**[Click here to learn more about how Huber's MDH flame retardants will enhance your application.](#)**

Huber offers comprehensive technical guidance in using its array of high-performing MDH flame retardants. Please click on these technical papers for more information:



To learn more and obtain samples of our magnesium hydroxide flame retardants and smoke suppressants, please refer to our Product Finder or Contact Us directly:

#### PRODUCTS

Product Finder  
 Halogen-Free Fire Retardant Additives  
 Calcium Carbonate  
 Specialty Aluminas  
 Organic Matting Agents  
 Nutrition Calcium  
 Cast Polymer

#### MARKETS / APPLICATIONS

Activated Aluminas for Chemical Processes and Environmental Protection  
 Active Pharmaceutical Ingredients (APIs)  
 Adhesive, Caulks and Sealants  
 Agriculture  
 Animal Feed & Nutrition  
 Carpet Backing  
 Calcite Water Treatment  
 Cast Polymer Performance Minerals  
 Ceramics / Refractories  
 Concrete  
 Dietary Supplements  
 Drilling Fluids

Huber Contract Manufacturing  
 Joint Compound  
 Organic Matting Agents  
 Paints and Coatings  
 Paper  
 Pet Food  
 Polishing / Lapping / Cleaning Compounds  
 Powder Coatings  
 Rubber  
 Swimming Pool Aggregate

#### CONTACT

Contact Us

#### ABOUT

Huber Engineered Materials  
 J.M. Huber Corporation  
 Environmental, Health, Safety & Sustainability  
 Huber Customer Care, Supply Chain and Logistics  
 ISO Registrations  
 Careers

Environmental  
Flooring  
Food and Beverage  
Granulations

Thermally Conductive  
Compounds  
Thermoplastics  
Thermoset Composites  
Tolling / Custom Particle  
Treatments

California Transparency in  
Supply Chains Act

**NEWS**  
Press Releases