**DESCRIPTION**

Bulk Austinite 15 (ANFO blasting agent) and bulk HEET (blends of emulsion and Austinite 15) are augered products for dry or dewatered blastholes that provide a wide range of energy and water resistance to meet many application requirements.

**BENEFITS**

- Good fragmentation and excellent heave provide easy digging muckpiles.

- Energy and water resistance can be adjusted to meet the application demands.

- Bulk HEET loading convenience and the potential for expanded patterns can reduce costs.

**PROPERTIES**

<table>
<thead>
<tr>
<th>Product</th>
<th>Density [g/cc]</th>
<th>VOD* [ft/s]</th>
<th>[m/s]</th>
<th>Water Resistance</th>
<th>Minimum Hole Diameter [in]</th>
<th>[mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austinite 15</td>
<td>0.82</td>
<td>13,000</td>
<td>3,960</td>
<td>Poor</td>
<td>2</td>
<td>50</td>
</tr>
<tr>
<td><strong>Hydromite® 1100 Blends:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEET 130</td>
<td>1.20</td>
<td>13,500</td>
<td>4,115</td>
<td>Good**</td>
<td>4</td>
<td>100</td>
</tr>
<tr>
<td>HEET 150</td>
<td>1.30</td>
<td>15,500</td>
<td>4,725</td>
<td>Excellent**</td>
<td>5</td>
<td>125</td>
</tr>
<tr>
<td><strong>Hydrox® 503 Blends:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEET 30</td>
<td>1.22</td>
<td>12,400</td>
<td>3,780</td>
<td>Good**</td>
<td>4</td>
<td>100</td>
</tr>
<tr>
<td>HEET 50</td>
<td>1.30</td>
<td>13,700</td>
<td>4,175</td>
<td>Excellent**</td>
<td>5</td>
<td>125</td>
</tr>
</tbody>
</table>

* 6" confined.
** When loaded in dry or dewatered holes.

**PRIMING**

These products are booster sensitive explosives and must be in direct contact with an appropriate size cast booster. Additional primers may be required depending upon geological conditions and face height.
Disclaimer of Warranties and Limitations of Liabilities

“Products described in this bulletin are sold by Austin Powder Company without warranty; express, implied or statutory or as to MERCHANTABILITY, except as expressly stated in Austin Powder’s straight bill of lading. Under no circumstances shall seller be liable for loss of anticipated profits, consequential damages or incidental damages.”

STORAGE
Store in accordance with all applicable local, state, provincial and federal laws.

SHELF LIFE
These products are designed to be used as they are manufactured from the bulk truck.

UN CLASSIFICATION

Austinite 15  
Shipping Name: Ammonium Nitrate - Fuel Oil Mixture  
Class & Division: 1.5D  
ID Number: NA 0331

Hydromite 1100  
Shipping Name: Explosive, Blasting, Type E  
Class & Division: 1.5D  
ID Number: UN 0332

Hydrox 503  
Shipping Name: Oxidizing liquid, n.o.s. (contains Ammonium Nitrate / Fuel Oil Aqueous Emulsion)  
Class & Division: 5.1  
ID Number: UN 3375

DOT REFERENCE NUMBER  
EX-1993030283 (Austinite 15)  
EX-1987050019 (Hydromite 1100)  
EX-1993030287 (Hydrox 503)

For more information and service locations in your area, please contact Austin Powder Company’s headquarters:

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Cleveland, Ohio, USA 44122

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