

# Austinite® & HEET Bulk®

## PRODUCT INFORMATION BROCHURE

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

### ADVANTAGES

- Good fragmentation and excellent heave provide easy to dig muck piles.
- Energy and water resistance can be adjusted to meet application demands.
- Bulk HEET loading convenience and the potential for expanded patterns can reduce costs.



### PROPERTIES

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

\* 6" confined.

\*\* When loaded in dry or dewatered holes.



## AUSTIN POWDER

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## 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.

## STANDARD PACKAGING DETAILS

Not applicable.

## STANDARD TECHNICAL DESCRIPTION

Booster sensitive augered ANFO and emulsion / ANFO blends.

## 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.

## TRANSPORTATION DATA

### 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

### US DOT REFERENCE NUMBER

EX-9303283 (Austinite 15)

EX-1993050178 (Hydromite 1100)

EX-1993030287 (Hydrox 503)

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