Heat® 1600

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EXPLOSIVE PRECURSORS

PRODUCT DESCRIPTION

Enaex Australia HEAT®1600 emulsion matrix is an intermediate product used to manufacture water resistant explosives for blasting.

HEAT®1600 characteristics include:

- Easy to pump;
- Excellent storage stability, and;
- Used to manufacture a broad range of bulk explosives.

APPLICATION

- HEAT®1600 bulk emulsion is compatible with various sources of Ammonium Nitrate to manufacture bulk explosives.
- Oxygen balanced to allow the manufacture of a broad range of bulk explosives.
- High water resistance for the manufacture of bulk explosives suitable for wet conditions.
- Compatible with chemical sensitisers.
- Not recommended for reactive and / or hot ground applications.

TECHNICAL PROPERTIES	
Parameter	**Specification**
Ammonium Nitrate (%)	70% Minimum
Water content (%)	20% Maximum
Oil and other hydrocarbons (%)	<10%
Emulsifier (%)	<5%
Bulk density (g/cm^3)	1.34 ± 0.02 g/cm^3
Brookfield Viscosity (cP)	25000 – 35000 cP
Water resistance[1]	5 Excellent
Storage Life[2]	3 months

1. Water resistance is a qualitative measure with 0 being none, 3 being good and 5 excellent.
2. Storage period under recommended storage conditions.

CLASSIFICATION

UN No.	3375
Shipping Name	Ammonium Nitrate Emulsion
Class	5.1 Oxidizing Agent
Safety Data Sheet	HEAT emulsion

RECOMMENDATIONS FOR USE

Handling: Information regarding this product is available from the relevant SDS.

Transportation: HEAT®1600 emulsion must be transported in accordance with relevant State and Commonwealth regulations.

Storage and Security: HEAT®1600 emulsion must be stored in a suitable licenced container for class 5.1 oxidizing agents as required by local, state and federal regulations. HEAT®1600 emulsion must also be handled in accordance with Security Sensitive Ammonium Nitrate (SSAN) Regulations.

EMERGENCY CONTACT

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Do you want to get in touch with one of our experts?

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