

# TECHNICAL DATA SHEET



## HiANFO – Bagged ANFO

### Description

HiANFO is an Ammonium Nitrate based product for use in dry blasthole applications only.

### Features & Benefits

HiANFO provides the following features and benefits:

- High blasthole loading efficiency
- Delivers high heave results, reducing the total cost of mining
- Bagged with three layers of nylon and polymers to prevent leakage of oil and contamination of inner product

### Usage Instructions

HiANFO is suitable for loading into dry blastholes only.

#### Priming Requirements

HiANFO is booster sensitive explosives. Where ground conditions may result in product column dislocation during blasting, additional primers are recommended to ensure complete initiation of the bulk product.

#### Charging Length

HiANFO is suitable for loading into blast holes up to 80 meters in depth. Blasthole diameter, angle of inclination and presence of water will impact suitability of the selected product for a specific application. Please contact your Hanwha technical representative for further information.

#### Sleep Times

Under ideal conditions, the maximum recommended sleep time for HiANFO is 28 days. However, site conditions such as groundwater may affect this period. Please contact your Hanwha technical representative for specific applications.

#### Elevated Temperatures

HiANFO is not suitable for use in blastholes that are defined as elevated temperature (greater than 55°C).

#### Reactive Ground

HiANFO is not suitable for loading in blastholes that are defined as reactive, according to the AEISG Code of Practice for Elevated Temperature and Reactive Ground.

#### Water resistance

HiANFO is not adequate for wet blastholes. HiANFO is adequate for use in dry blasthole applications only.

### Technical Data

HiANFO	
Name	HiANFO
Product Blend (%wt) (Ammonium Nitrate : Fuel Oil)	94 : 6
Effective Energy (MJ / lb)	1.11 MJ / lb
Relative Weight Strength (%)	100
Relative Bulk Strength (%)	100
Velocity of Detonation (ft/s)	11,500 – 15,000
Nominal Density Range (g/cm <sup>3</sup> )	0.78 - 0.85
Maximum Hole Depth (m)	80
Water Resistance	None
Recommended Maximum Sleep Time (Dry)	28 days
Suitable for (Dry/Dewatered/Wet)	Dry

1. Energy values and relative strengths are calculated using ideal detonation modelling (for reference, ANFO = 1.11MJ/pound).
2. Velocity of Detonation (VoD) values are approximate only and may vary according to site conditions and blast hole diameter.
3. Product density values are indicative only and may vary according to component density, charge length and site conditions.

### Hazard Classification

UN No. (Class / Division)	UN 0331 / 1.5D
Proper Shipping Name	EXPLOSIVE BLASTING, TYPE B
Packing Group	II
Hazchem Code	E
EMS	F-B, S-Y

### Safety

When using HiANFO, avoid contact with eyes or skin. Wash hands thoroughly after handling. Keep HiANFO away from sources of heat, sparks, flame or hot surfaces and avoid mixing with combustibles or incompatible materials.

Incorrect application of HiANFO may result in undesirable levels of blast fume.

### Packaging

HiANFO is available in bagged form (50 lb).

HiANFO

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### Storage

All explosives are classified as Dangerous Goods and must be stored and secured in accordance with relevant local and national regulations. Recommended shelf life of HiANFO is 3 months.

### Disclaimer

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