

# Bulk Emulsions

Bulk emulsions are an emulsified Ammonium Nitrate solution incorporating a fuel phase. Classified as an oxidizing agent for transportation purposes the composition does not become explosive until mixed with gassing agents and sensitized at the point of delivery to the borehole.

EPC-UK supplies the Blendex range, a pumpable high energy chemically sensitised bulk emulsion explosive manufactured in the UK. The Blendex range is specifically designed for large scale quarrying, mining and civil engineering blasting works. The waterproof product is mixed on site by bespoke

Multiblend trucks and suitable for use in both wet and dry holes. Blendex is available in a range of compositions incorporating various quantities of undissolved ammonium nitrate dependent on specific energy and heave requirements of the customer.



## Product and Company Identification

<b>Product Identifier</b>	Blendex 70, Blendex 80, Blendex 100 (Note: The number after Blendex indicates the approximate percentage of emulsion matrix in the product).
<b>Use of the Product</b>	Blendex explosives are mixed on-site and intended for immediate use as a general explosive column charge. The products are suitable for use in diameters greater than or equal to 85 mm, depending on primer/use conditions. Other products are available for use in small diameters. The explosives listed here are all pumpable products.
<b>Manufacturer / Supplier</b>	EPC-UK EXPLOSIVES
<b>Address</b>	ROUGH CLOSE WORKS CARNFIELD HILL SOUTH NORMANTON ALFRETON DERBYSHIRE, DE55 2BE
<b>Telephone Number</b>	01773 832253
<b>Contact e-mail</b>	info@epc-groupe.co.uk
<b>Emergency Telephone Number</b>	01773 832253

## Product Specification

Product Type	Bulk Emulsion		
	Blendex 70	Blendex 80	Blendex 100
Product Name	Blendex 70	Blendex 80	Blendex 100
Weight Strength (% ANFO)	70	79	81
Bulk Strength (% ANFO)	96 - 111	109 - 130	112 - 134
Density (g/ml)	1.10 - 1.27	1.14 - 1.31	1.15 - 1.32
VOD (m/s)	5000	5100	5100
Gas Volume (l/kg)	1035	1010	1010
Water Resistance	Excellent		
Fume Characteristics	Good		
Detonator Sensitive	No		
Temperature Range (use) °C	-10/+50		
Shelf Life	Should not be stored, bulk loaded at point of use		
UN Number	UN0241		
UN Description	Explosive, Blasting, Type E		
UN Class/Compatibility Group	1.1D		
CE Mark	ENB/B/085/14		



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TERMS AND CONDITIONS: "The products and services that we supply to you are sold subject to our standard Terms and Conditions of Supply and any other Special Conditions that we notify to you. Copies of these conditions are available on request."

The information contained in this leaflet is given without warranty and cannot cover all conditions of use. Users should undertake their own tests to ensure the suitability of the products for their own particular application.

