



TENAGA KIMIA SENDIRIAN BERHAD (26191 A)

Administration & Sales Office

Address: No. 8, Jalan SS 22/21, Damansara Jaya, 47400 Petaling Jaya, Selangor
Tel: + 60 – 3 – 7729 7464
Fax: + 60 – 3 – 7729 8383
E-mail: sales@tenagakimia.com

Factory

Address: Lot 5065, 48100 Batu Arang, Selangor, Malaysia
Tel: + 60 – 3 – 6035 2801
Fax: + 60 – 3 – 6035 2802
E-mail: plant@tenagakimia.com

Website: <http://www.tenagakimia.com>

TECHNICAL DATA SHEET

PRODUCT: BULK EMULEX[®] 1030 (BULK BLEND)

EMULEX[®] E1030 is a mixture of 70% EMULEX[®] Bulk Emulsion with 30% Ammonium Nitrate prills. The product is sensitised (gassed) with dosage of diluted sodium nitrite solution to lower its density from 1.36 – 1.40 g/cc to 1.05 – 1.25 g/cc.

After sensitisation, the product is booster sensitive and used as the main charge in general blasting application. It works remarkably well for wet, and wet/dry blast-holes in mining, quarrying, and construction with its excellent water resistance.

Product Properties

Description	E1030 (gassed)
Bulk Blend Density (g/cc)	1.20
Minimum diameter (mm)	76
Water Resistance	Excellent
Velocity of Detonation (m/s, approx)	5,500
Sleep Test	14 Days
Energy (MJ/kg) ¹	3.2
Relative volume strength (ANFO = 100) ¹	124

EMULEX[®] E1030 can be effectively primed with EMULEX[®] E100 or E150 in 55 mm diameter chub. The booster diameter and total number of boosters will vary with the rock formation and size of boreholes.

Note: 1. Calculation based on thermodynamic properties.

Sensitising System

Acid solution	Diluted solution of citric acid
Gassing agent solution	Diluted solution of sodium nitrite

Note: Gassed density 1.05 – 1.25 g/cc within 30min