

✓ The First and Only Plant in Indonesia



DAYAGEL

DAYAGEL MILITARY

DAYAGEL MILITARY adalah bahan peledak berbasis ammonium nitrat yang merupakan bahan peledak khusus. Formulsinya yang didesain khusus menghasilkan energi tingkat tinggi, kekuatan yang tinggi dan merupakan peledak emulsi yang sangat sensitif terhadap detonator.

Produk berwarna abu-abu dengan tingkat kepekatan seperti dempul.

KEAMANAN

Meskipun sensitif terhadap insiasi detonator nomor 8, DAYAGEL MILITARY memiliki sensitivitas mekanikal rendah. Kriteria insensivitas ini merupakan fitur keamanan yang sangat penting.

Jika terpapar api, DAYAGEL MILITARY akan terbakar kecuali kena panas yang berlebihan. Meskipun tidak mudah terbakar, DAYAGEL MILITARY harus tetap dijauhkan dari api atau panas berlebih.

Apabila sisa-sisa DAYAGEL MILITARY hendak dimusnahkan dengan cara dibakar, disarankan untuk berkonsultasi dengan DAHANA Engineering Center yang berlokasi di kantor DAHANA, atau dari pihak berwenang.

PENGGUNAAN

DAYAGEL MILITARY adalah paket bahan peledak anti-air untuk tujuan-tujuan khusus, misalnya:

- Operasi perobohan militer atau komersial
- Muatan on-site untuk perobohan yang dilakukan oleh user
- Keperluan-keperluan perobohan lain mulai dari yang paling sederhana sampai paling rumit.

DAYAGEL MILITARY is an ammonium nitrate based explosive that is specialized form of explosive material. Especially designed formulation generate high levels of energy, high strength and robust detonator sensitive emulsion explosive.

The product is gray in colors with a firm putty-like consistency.

SAFETY

While sensitive to initiation by a No. 8 detonator, DAYAGEL MILITARY has a very low mechanical impact sensitivity. This impact insensitivity criterion is a very important safety feature.

If exposed to fire, DAYAGEL MILITARY will self extinguish unless a vigorous external source of heat is applied. Whilst DAYAGEL MILITARY does not burn easily, it should be kept clear of flame or excessive heat.

If DAYAGEL MILITARY whilst remnants are to be destroyed by burning, advice on the correct method should be sought from DAHANA Engineering Center located at DAHANA offices, or from the local explosives statutory authority.

APPLICATIONS

DAYAGEL MILITARY is a water resistant packaged explosive for special purposes such as:

- Military and commercial demolition operation
- On site loading of user filled demolition charges
- General demolition purposes ranging from the most basic to very sophisticated tasks

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PENYIMPANAN DAN PERLAKUAN

Simpan DAYAGEL MILITARY dalam sebuah magazine berventilasi yang sesuai dengan syarat bahan peledak 1.1 D. Jauhkan dari sumber-sumber api atau pemantik bahan kimia lain. Jangan kena benturan atau lontaran pecahan.

DAYAGEL MILITARY memiliki ketahanan lebih dari 12 bulan dalam magazine yang sesuai bahkan dalam udara panas atau kelembaban tinggi.

CIRI-CIRI TEKNIS

Untuk diameter antara 25 mm & 38 mm @ kepadatan operasi 1.23 gr/cm³

- REE*-Kekuatan Bobot (relatif terhadap ANFO) = 100% @ 0.8 gr/cm³ 119%
- REE*-Kekuatan Curah (relatif terhadap ANFO = 100% @ 0.8 gr/cm³ 183%
- Untuk diameter antara 45 mm & 130 mm @ kepadatan operasi 1.25 gr/cm³
- REE*-Kekuatan Bobot (relatif ANFO = 100% @ 0.8 gr/cm³ 122%
- REE*-Kekuatan Curah (relatif terhadap ANFO = 100% @ 0.8 gr/cm³ 194%

*The "Relative Effective Energy" (REE, energi efektif relatif) dari sebuah ledakan adalah energy yang dihitung untuk melakukan pekerjaan peledakan..

VELOSITAS DETONASI

Unconfined in 25 mm@ 10 oC 4.6 – 5.0 km/s

Unconfined in 32 mm@ 10 oC 5.0 – 5.4 km/s

Unconfined in 55 mm@ 10 oC 5.4 – 5.6 km/s

STORAGE AND HANDLING

Store DAYAGEL MILITARY in well ventilated magazine suitably licenced for 1.1 D Explosives. Store far away from sources of heat or ignition of another chemicals. Do not subject the product to impact and friction.

DAYAGEL MILITARY has storage life in excess of 12 months in an approved magazine even in hot or extreme humidity.

TECHNICAL PROPERTIES

For diameter between 25 mm & 38 mm @ operating density 1.23 gr/cm³

- -REE*-Weight Strength (relative to ANFO) = 100% @ 0.8 gr/cm³ 119%
- -REE*-Bulk strength (relative to ANFO = 100% @ 0.8 gr/cm³ 183%
- For diameter between 45 mm & 130 mm @ Operating Density 1.25 gr/cm³
- -REE*-Weight Strength (relative to ANFO = 100% @ 0.8 gr/cm³ 122%
- -REE*-Bulk Strength (relative to ANFO = 100% @ 0.8 gr/cm³ 194%

*The "Relative Effective Energy" (REE) of an explosive is the energy calculated to do effective blasting work.

VELOCITY OF DETONATION

Unconfined in 25 mm@ 10 oC 4.6 – 5.0 km/s

Unconfined in 32 mm@ 10 oC 5.0 – 5.4 km/s

Unconfined in 55 mm@ 10 oC 5.4 – 5.6 km/s



DISCLAIMER !

All Information contained in this Data Sheet is as accurate and as up to date as possible. Since DAHANA can not anticipate or control the conditions under which this information and its products may be used. Each user should review the information in the specific context of the intended application. DAHANA will not be responsible for damage of any nature resulting from the use of or reliance upon the information. No expressed or implied warranties are given other than those implied mandatorily by Government.