

TECHNICAL DATA SHEET



DYNOSPLIT® RIGHT™

Small Dia. Detonator Sensitive Continuous Packaged Inhibited Emulsion

Properties

SDS
#1157

Density	(g/cc) Avg	1.10 - 1.12
Energy^a	(cal/g) (cal/cc)	775 860
Relative Weight Strength^a		0.88
Relative Bulk Strength^{a,b}	1.19	
Velocity^c	(m/s) (ft/s)	4,900 16,100
Detonation Pressure^c	(kbars)	66
Gas Volume^a	(moles/kg)	38
Water Resistance		Excellent
Fume Class^d		IME1 & NRCan1

a All Dyno Nobel Inc. energy and gas volume values are calculated using PRODET™, the computer code developed by Dyno Nobel Inc. for its exclusive use. Other computer codes may give different values.

b ANFO = 1.00 @ 0.82 g/cc

c Unconfined @ 32 mm (1¼ in) diameter; emulsion only. Actual VOD of DYNOSPLIT RiGHT is dependent on VOD of detonating cord (~7,000 m/sec).

Hazardous Shipping Description

- Explosive, Blasting, Type E 1.1D UN 0241 II



PRODUCT DESCRIPTION

DYNOSPLIT RiGHT is a detonator sensitive, perchlorate free, inhibited emulsion explosive product produced in a continuous cartridge form specifically for both surface and underground perimeter control applications such as pre-split and trim blasting. DYNOSPLIT RiGHT is crimped every 400 mm (16 in) and externally traced the entire length with 10 g/m (50 gr/ft) detonating cord. The continuous explosive column provides consistent borehole pressure along the entire loaded borehole zone resulting in a uniform tensile shearing effect. DYNOSPLIT RiGHT can be cut to fit the desired load length or spliced to increase the load length.



APPLICATION RECOMMENDATIONS

- DYNOSPLIT RiGHT is recommended for use with minimum #8 strength electric, electronic or nonelectric detonators or the appropriate core load detonating cord.
- When initiating with a detonator, **ALWAYS** attach the detonator directly to the external, trace detonating cord on the DYNOSPLIT RiGHT packaged emulsion.
- Hot and Reactive Ground – DYNOSPLIT RiGHT may be suitable for use in geothermal or sulfide bearing ore bodies, where reactivity and/or dust explosion hazards exist.
- The available sleep time will vary depending on the temperature and reactivity of the ground. Please consult your Dyno Nobel customer representative to ascertain your particular application and use.

Product Disclaimer: Please see reverse side.

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Properties Cont.

Packaging

Diameter		Weight / Length		Length		Chubs per Case	Case Weight	
mm x 400	in x 16	kg/m	lbs/ft	m	ft		kg	lb
25	1	.49	.33	36.5	120	84	17	37
32	1¼	.83	.56	26.1	86	60	20.4	45
38	1½	1.21	.81	15.7	51	36	17.6	39
50	2	2.37	1.59	8.7	28.5	20	19	42

Note: All weights and dimensions are approximate.

Case Dimensions

44.5 x 36.3 x 20.3 cm 17.5 x 14.3 x 8.0 in

Pallet Information

42 Cases / Pallet 91 x 109 cm 36 x 43 in

TRANSPORTATION, STORAGE AND HANDLING

- DYNOSPLIT RiGHT must be transported, stored, handled and used in conformity with all applicable federal, state, provincial and local laws and regulations.
- Packaged emulsions have a shelf life of one (1) year when stored at temperatures between -18°C and 38° C (0°F and 100°F). Explosive inventory should be rotated. Avoid using new materials before the old. For recommended good practices in transporting, storing, handling and using this product, see the booklet "Prevention of Accidents in the Use of Explosive Materials" packed inside each case and the Safety Library Publications of the Institute of Makers of Explosives.

ADDITIONAL INFORMATION – Visit dynonobel.com for Brochures and Case Studies related to this product.

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