

# SEMEXSA

Dynamite developed to minimize crushing costs and costs associated with secondary blasting on semi-hard to hard rock by providing a good fragmentation of the rock massif. Ideal for borehole loading on difficult fractured ground thanks to its excellent sympathy and sensitivity, which allow reducing explosive handling and loading times.

Recommendations for use:

- Applicable for semi-hard rock blasting.
- Recommended for starter, production and drag boreholes.  
To initiate, use a N°8 detonator at least.
- Do not open or roll the cartridges.
- For safety handling and storage considerations, see Exsa safety sheet.

## Technical Characteristics

Technical Specifications	Units	Semexsa 45	Semexsa 65	Semexsa 80
Density	g/cm <sup>3</sup>	1.08 ± 3%	1.12 ± 3%	1.18 ± 3%
Detonation velocity *	m/s	3,800 ± 200	4,200 ± 200	4,500 ± 200
Detonation pressure **	kbar	87	94	125
Energy**	KJ/kg	3,060	3,130	3,230
RWS **	%	83	85	87
RBS **	%	109	116	126
Water resistance		Good	Good	Excellent
Fume category		1 era	1 era	1 era

\* Unconfined, in 30 mm-diameter tin tube.

\*\* Calculated with TERMODET simulation program.

## Presentation and Packaging

Kraft paper cartridges in plastic bags, packed in corrugated cardboard boxes.

Net Weight	25 kg
Gross Weight	26.3 kg
Box Dimensions	Ext. 35 x 45 x 28 cm
Material	Corrugated cardboard box

Product	Inches	UN/Box	Mass g/UN
SEMEXSA 45	1 1/8 12	122	205
SEMEXSA 45	7/8 7	316	79
SEMEXSA 65	1 1/2 12	68	368
SEMEXSA 65	7/8 7	308	81
SEMEXSA 80	1 1/8 8	164	152
SEMEXSA 80	7/8 7	292	86

Variations in the number and weight of the cartridges in the box may occur to keep the standard of 25 kg/box.

## Storage and Warranty

Kept in its original packaging and stored under normal temperature and moisture conditions, in accordance with applicable laws and provisions, the product is warranted for 18 months from the manufacturing date.

## Transportation

CLASS: 1  
DIVISION: 1.1 D  
UN N°: 0081



Ask Exsa for other cartridge formats.

## DISCLAIMER OF LIABILITY

These explosives have been inspected and found to be in good condition prior to packaging and/or delivery thereof. These explosives must be stored in a cool, dry and well-ventilated place, and be handled and transported in accordance with applicable laws.

Accordingly, as from being delivered to the purchasers, the manufacturer shall not be liable for the safety of these explosives or for obtaining any results

sought, whether express or implied. As from the delivery of these explosives, the purchasers thereof shall be liable for any and all risks and liability, regardless of their nature, for any accidents, losses, property or personal damages (including death), whether direct, indirect, special and/or consequential or of any other nature arising from the use of these explosives.