

# EMULEX

Cartridged emulsion formulated for charging positive boreholes. Due to its excellent consistence and thanks to its high breaking power, it is appropriate to be used as primer or first column charge in small and intermediate boreholes in underground and pit mining, civil works and quarries.

Thanks to its excellent resistance to water it may be used in wet and flooded boreholes, offering good fragmentation results. Given the low level of gases released by this emulsion, it reduces downtime to re-enter the operations.

Recommendations for use:

- Suitable for very deep boreholes.
- Do not open or roll the cartridges.
- For safety handling and storage considerations, refer to Exsa's safety sheet.

## Technical characteristics

Technical Specifications	Units	Emulex 45	Emulex 65	Emulex 80	Emulex 100
Density	g/cm <sup>3</sup>	1.00 ± 3%	1.12 ± 3%	1.14 ± 3%	1.25 ± 3%
Detonation velocity*	m/s	4,100 ± 200	5,100 ± 200	5,000 ± 200	5,000 ± 200
Detonation pressure*	kbar	50	84	75	87
Energy**	KJ/kg	3,450	4,060	4,180	4,425
RWS**	%	90	110	113	120
RBS**	%	120	150	157	180
Water resistance		Excellent	Excellent	Excellent	Excellent
Fume category		1 st	1 st	1 st	1 st

\* Unconfined and \*\*confined in 30 mm diameter.

\*\* Calculated with TERMODET simulation programs.

## Presentation and packaging

Explosive mass cartridged in plastic film, arranged in plastic bags, packed in corrugated cardboard boxes.

Net weight	25 kg			
Gross weight	26.3 kg			
Box Dimensions Ext.	Ext. 35 x 45 x 28 cm			
Material	Corrugated cardboard box			
Product	Dimension (in)	Quantity / case		Mass g/UN
EMULEX 45	1 1/8	12	128	195
EMULEX 45	1	7	276	91
EMULEX 65	1 1/2	12	64	391
EMULEX 65	1	8	228	110
EMULEX 80	1 1/2	12	62	403
EMULEX 80	1	8	222	113
EMULEX 100	1	8	202	123

For further details about product presentations, please contact an EXSA representative.



## 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 12 months from the manufacturing date.

## Transport

CLASS: 1  
DIVISION: 1.1 D  
N° ONU: 0241



### DISCLAIMER

These explosives have been inspected and are in good condition before packaging and/or delivery. They must be stored in a cool, dry and well-ventilated area, handled and transported in accordance with the current legislation. Therefore, since their delivery to the buyers, the manufacturer is not liable for its safety or for the achievement of the desired results, be they explicit or implicit. The entire risk and responsibility, whatever their nature, from accidents, losses, damage to property or persons (including death), whether direct, indirect, special and / or consequential or of any other type derived from the use of these explosives is the buyers from the delivery thereof.