



MEGADRIVE® Water Resistant Cartridged Emulsion Explosive

MEGADRIVE® cartridged emulsion explosives are a detonator sensitive, emulsified AN-based explosive specifically formulated for use in surface or underground rock blasting operations.



APPLICATION

MEGADRIVE® is ideal for blasting rock and initiating bulk ANFO in small diameter blast holes (i.e. up to 102mm diameter holes). MEGADRIVE® is compatible with detonating cords containing at least 10g/m PETN and all commercially manufactured detonators of strength No. 8 or greater. MEGADRIVE® is specifically designed for high gas energy output required in underground blasting.

FEATURES AND BENEFITS

- Post-blast fumes are reduced when using MEGADRIVE® and the potential for sulfide dust explosions are minimised.
- Greater rigidity of cartridge increases speed of charging for quicker turnaround times.
- MEGADRIVE® has exceptional water resistance, diminishing nitrate leaching into the ground and the subsequent environmental impact.
- MEGADRIVE® is reliably initiated by No. 8 strength detonators.
- MEGADRIVE® may be used at temperatures up to 55°C (subject to statutory regulations).

PHYSICAL PROPERTIES

Explosive Type	AN-Based Emulsion
Explosive Name	MEGADRIVE®
Normal Density	1.15 - 1.23 g/cc
Velocity of Detonation (m/s)	3400 - 5000
Relative Weight Strength*	121 - 130%
Relative Bulk Strength* to ANFO @ 0.8 g/cc	183 - 195%
Explosive Class: 1.1D UN Number: 0241	

*Relative Weight Strength and Relative Bulk Strength are calculated using an in-house Thermodynamic code. This traditional way of calculating energy is directly related to density and does not take into account the distribution of energy.

STANDARD PACKAGING GUIDELINES

PRODUCT	DIAMETER (mm)	LENGTH (mm)	CARTRIDGE MASS (g) (± 5%)	CARTRIDGE / 25kg Box
MEGADRIVE® (25x200)	25	200	115	216
MEGADRIVE® (25x700)	25	700	390	64
MEGADRIVE® (32x200)	32	200	185	135
MEGADRIVE® (32x700)	32	700	640	39
MEGADRIVE® (55x300)*	55	300	810	31
MEGADRIVE® (55x700)*	55	700	1900	13
MEGADRIVE® (65x300)	65	300	1135	22
MEGADRIVE® (65x700)*	65	700	2650	9

*Special order only. Product density may influence unit count per case.

STORAGE AND HANDLING

Store in a clean well ventilated & dry magazine licensed for Class 1 Explosives.

SHELF LIFE

Detonator Sensitive: MEGADRIVE® has a minimum shelf life of 24 months*

Booster Sensitive: MEGADRIVE® has a minimum shelf life of 36 months*

Best Before date should be considered 18 Months

*When stored as per AS2187.1

SAFETY

MEGADRIVE® contains explosive material which, while relatively insensitive to accidental initiation by shock, friction or mechanical impact, should be handled with due care appropriate to a detonator sensitive explosive. MEGADRIVE® should be handled by personnel qualified under state law (i.e. shotfirers). MEGADRIVE® should not be used in hot holes or in applications of known reactive ground.

For more information please consult the Material Safety Data Sheet.