



## 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® 1000	MEGADRIVE® 2000
Normal Density	1.21g/cc	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)	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 18 months\*

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

Best Before date should be considered 12 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.