



## MEGAGEL® Water Resistant Cartridged Water Gel Explosive

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



### APPLICATION

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

### FEATURES AND BENEFITS

- Post-blast fumes are reduced when using MEGAGEL®
- Superior cartridge film strength prevents cartridge splitting and snagging in hole.
- MEGAGEL® has exceptional water resistance, diminishing nitrate leaching into the ground and the subsequent environmental impact.
- MEGAGEL® is reliably initiated by No. 8 strength detonators.
- MEGAGEL® may be used at temperatures up to 55°C (subject to statutory regulations).

### PHYSICAL PROPERTIES

Explosive Type	WATERGEL
Normal Density (g/cm <sup>3</sup> )	1.15g/cc
Velocity of Detonation (m/s)	4300
Relative Weight Strength*	121%
Relative Bulk Strength* to ANFO @ 0.8 g/cc	183%
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)	NOMINAL CARTRIDGE MASS (g)	NOMINAL CARTRIDGE / 25kg BOX
MEGAGEL® 26mm	26	200	122	205
MEGAGEL® 26mm	26	400	244	102
MEGAGEL® 32mm*	32	200	185	135
MEGAGEL® 32mm*	32	400	370	68
MEGAGEL® 55mm*	55	400	1093	23
MEGAGEL® 65mm*	65	400	1526	16

\*Special order only. Product density may influence unit count per case. Other sizes available on special request only. Made to order.

### STORAGE AND HANDLING

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

### SHELF LIFE

**Detonator Sensitive:** MEGAGEL® has a minimum shelf life of 18 months\*

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

Best Before date should be considered 12 Months

\*When stored as per AS2187.1

### SAFETY

MEGAGEL® 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. MEGAGEL® should be handled by personnel qualified under state law (i.e. shotfirers). MEGAGEL® should not be used in hot holes or in applications of known reactive ground.

For more information please consult the Material Safety Data Sheet.