



MAXIDRIVE® and MAXIDRIVE PLUS®

TECHNICAL DATA SHEET – PACKAGED EXPLOSIVES

MAXIDRIVE® and MAXIDRIVE PLUS® Water-Resistant Cartridge Emulsion Explosive

MAXIDRIVE® and MAXIDRIVE PLUS® cartridge emulsion explosives are detonator sensitive, emulsified AN-based cartridge explosives specifically formulated to use in surface and underground rock blasting operations.

APPLICATION

MAXIDRIVE® and MAXIDRIVE PLUS® are ideal for blasting rock and initiating bulk ANFO in small diameter blast holes (i.e. up to 102 mm diameter holes).

MAXIDRIVE® and MAXIDRIVE PLUS® are compatible with detonating cords containing at least 10 g/m PETN and all commercially manufactured detonators of strength No.8 or greater.

MAXIDRIVE® and MAXIDRIVE PLUS® should not be used in hot holes or in applications of known reactive ground.

MAXIDRIVE PLUS® is specifically designed for high gas energy output required in underground blasting.

FEATURES AND BENEFITS

- ‘Permanent’ micro balloon embodiment and premium grade surfactants provide substantially longer shelf life.
- Deadpress potential is minimised due to inclusion of high strength micro balloon spheres in formulation.
- Higher VOD increases shock energy and drives ANFO up to steady state rapidly.
- MAXIDRIVE® and MAXIDRIVE PLUS® are compatible with and are readily initiated by No.8 strength detonators.
- MAXIDRIVE® and MAXIDRIVE PLUS® may be used at temperatures up to 65°C, subject to statutory regulations.

PHYSICAL PROPERTIES

Explosive Type	AN-based Emulsion
Density	1.50 g/cm ³
VOD	4600 - 5300 m/s
Nominal Total Energy	3.3 - 3.8 MJ/kg
Explosive Class 1.1D	UN Number: UN 0241



STANDARD PACKAGING GUIDELINES

PRODUCT	DIAMETER (MM)	LENGTH (MM)	CARTRIDGE MASS (G)	CARTRIDGE / 25KG BOX
Maxidrive Plus® 25 x 200	25	200	119	209
Maxidrive Plus® 25 x 700	25	700	424	59
Maxidrive Plus® 32 x 200	32	200	188	133
Maxidrive Plus® 32 x 700	32	700	657	38
Maxidrive® 55 x 400	55	400	1089	23
Maxidrive® 65 x 400	65	400	1471	17
Maxidrive® 80 x 400	80	400	2273	11

* Variations are available on special order.

STORAGE AND HANDLING

MAXIDRIVE® and MAXIDRIVE PLUS® contain 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. The product should only be handled by persons qualified under state law, i.e. shotfirers.

MAXIDRIVE® and MAXIDRIVE PLUS® have a shelf life of one (1) year when stored correctly, as per AS2187.

SAFETY

First Aid – Please refer to the Material Safety Data Sheet for Maxidrive® and Maxidrive Plus®, Nitro Sibir Australia Ref. PE01.

Safety - All explosives are classified as dangerous goods and must be handled and stored with care. Misuse may result in personal injury and/or damage to property.



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