

INNOVEX™ RG

Water in oil emulsion

PRODUCT DESCRIPTION

INNOVEX™ RG is a specially formulated product for reactive ground conditions. INNOVEX™ RG contains certain additives to inhibit exothermic reactions in ground containing sulphides or other reactive materials. INNOVEX™ RG base emulsion is a class 5.1 oxidizing agent with UN Classification number 3375. When sensitised with the gassing agent, INNOVEX™ RG becomes a booster sensitive emulsion designed for opencast mines. It is sensitised to a cup density of 0.9 - 1.2 g/cm³ by using a suitable sensitising agent.

Product	Water resistance	Nominal bulk density (g/cm ³)	Relative weight strength	Relative bulk strength
INNOVEX™ RG	Excellent	1.20	78	116

Calculated at a density of 1.2 g/cm³ and a pressure of 100 MPa. Relative to ANFO at a density of 0.8 g/cm³.

PRODUCT FEATURES

APPLICATION

INNOVEX™ RG is designed for blasting in reactive ground opencast mines

FEATURES

- Minimum initiation – 150 g booster-sensitive when sensitised for holes having a diameter of 127 mm and less. Holes with diameter larger than 127 mm and depth greater than 6 m require a 400 g booster
- VOD – 3500 – 5500 m/s, dependent on hole and rock characteristics
- Critical diameter – 64 mm
- Sensitisation – The emulsion can be sensitised to densities between 0.95 – 1.25 g/cm³ using the recommended sensitising agent
- Excellent water resistance

RECOMMENDATIONS

- Shelf life – 3-6 months when stored under recommended storage conditions
- First aid – refer to Safety Data Sheet for first aid information
- Safety – all explosives are classified as dangerous goods and can cause damage to property, personal harm or death if not used correctly
- Transportation and storage – all explosives must be transported and stored in accordance with relevant regulations

PACKAGING

- INNOVEX™ RG is transported and stored as bulk product class 5.1, UN No. 3375, oxidizing material

PRODUCT RISK PROFILE

- Classified as hazardous substance, Class 5.1 oxidizing substances
- Non-detonable in the non-sensitised, unconfined bulk form
- Will not readily burn on its own, but if subjected to extreme external heat for a period of time, water may be driven off resulting in an explosion risk
- DO NOT ATTEMPT TO FIGHT AN EXPLOSIVES FIRE

UN CLASSIFICATION (TRANSPORT)

- Base Emulsion: Class 5.1, UN No. 3375, OXIDIZING MATERIAL
- Sensitising Agent: Class 5.1, UN No. 3099, OXIDIZING LIQUID, TOXIC, N.O.S

