

INNOVEX™ UG

Water in oil emulsion



PRODUCT DESCRIPTION

INNOVEX™ UG is a class 5.1 oxidizing agent with UN classification number 3375. The gassed emulsion INNOVEX™ UG is a booster-sensitive bulk emulsion product designed for use in underground application. The emulsion is transported and stored in bulk.
INNOVEX™ uphole is a specifically developed product for use in underground uphole application.

| Product | Water resistance | Nominal bulk density | Relative weight strength | Relative bulk strength |
|------------------|------------------|-------------------------------|--------------------------|------------------------|
| INNOVEX™ LATERAL | Excellent | 1.47 - 1.51 g/cm ³ | 0.81 | 1.21 |
| INNOVEX™ UP-HOLE | Excellent | 1.47 - 1.51 g/cm ³ | 0.81 | 1.21 |

Calculated at a density of 1.15 g/cm³ and a pressure of 100 MPa. Relative to ANFO at a density of 0.8 g/cm³.

PRODUCT FEATURES

APPLICATION

INNOVEX™ UG is designed for blasting in underground applications

FEATURES

- Minimum initiation - 12 g booster sensitive
- VOD - 2500-4000 m/s dependent on hole and rock characteristics for underground operation
- Critical Diameter > 32 mm
- Sensitisation - the emulsion can be sensitised to achieve a blasting density between 0.9g/cm³ and 1.20g/cm³ depending on low or high energy requirements

RECOMMENDATIONS

- Shelf life - 3-6 months if stored correctly
- 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

- This emulsion is transported and stored as a bulk product

PRODUCT RISK PROFILE

- Classified as hazardous substance, dangerous goods with mass explosion hazard
- Stable under normal storage conditions
- INNOVEX™ UG is non-detonable in non-sensitised, unconfined bulk form
- Detonation can occur from extreme friction or excessive heating after sensitisation or under confinement
- DO NOT ATTEMPT TO FIGHT AN EXPLOSIVES FIRE

UN CLASSIFICATION (TRANSPORT)

- Bulk emulsion
- Class 5.1
- UN number - UN3375

