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™ UG is specifically developed for use in underground applications.

<table>
<thead>
<tr>
<th>Product</th>
<th>Water resistance</th>
<th>Nominal bulk density</th>
<th>Relative weight strength</th>
<th>Relative bulk strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>INNOVEX™ LATERAL</td>
<td>Excellent</td>
<td>1.47 - 1.51 g/cm³</td>
<td>0.81</td>
<td>1.21</td>
</tr>
<tr>
<td>INNOVEX™ UP-HOLE</td>
<td>Excellent</td>
<td>1.47 - 1.51 g/cm³</td>
<td>0.81</td>
<td>1.21</td>
</tr>
</tbody>
</table>

Calculated at a density of 1.15 g/cm³ and a pressure of 100 MPa. Relative to ANFO at a density of 0.9 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

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