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

<table>
<thead>
<tr>
<th>Product</th>
<th>Water resistance</th>
<th>Nominal bulk density (g/cm³)</th>
<th>Relative weight strength</th>
<th>Relative bulk strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>INNOVEX™ RG</td>
<td>Excellent</td>
<td>1.20</td>
<td>78</td>
<td>116</td>
</tr>
</tbody>
</table>

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.

### 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.

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