Description
Detagel™ Presplit is a watergel explosive produced in various diameters, and contains a continuous length of detonating cord running through the entire length of the presplit package. This enables the user to use any length desired and to tie-in very quickly to either detonators or other detonating cord.

Application
Detagel™ Presplit is the ideal solution for construction cuts, high-walls, bank retention and slopes. Detagel™ Presplit is also approved by the United States Forest Service (USFS) for fireline usage.

Key Benefits
- Detagel™ Presplit is one continuous line of detonating cord throughout the entire length which ensures steady velocity through the shear line, producing a straight wall cut to as high a degree as allowed by geology.
- The all-inclusive cost allows ease of job estimation. There is no need to add cord, tape, couplers, makeup labor or additional accessories. Each case contains splicing ties for attaching string loads.
- Detagel™ Presplit can easily be loaded by one person, which may reduce overall labor costs per job.
- Detagel™ Presplit is formulated for Fume Class 1.

Technical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Detagel™ Presplit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Velocity of Detonation (m/s)</td>
<td>4.2</td>
</tr>
<tr>
<td>Water Resistance</td>
<td>Excellent</td>
</tr>
<tr>
<td>Fume Class</td>
<td>1</td>
</tr>
<tr>
<td>Relative Effective Energy (REE)²</td>
<td>103</td>
</tr>
<tr>
<td>Relative Weight Strength (RWS)</td>
<td></td>
</tr>
<tr>
<td>Relative Bulk Strength (RBS)</td>
<td>138</td>
</tr>
</tbody>
</table>

Recommendations for Use

Splicing
When it becomes necessary to connect two lengths of presplit explosive together, use the plastic cable ties provided in each case. Overlap two full cartridges. The loose ends of the two splicing cartridges are secured with plastic tape to keep them from springing outward at an angle.

Priming and Initiation
The internal temperature of Detagel™ Presplit should be above -7°C (+19°F) before use.

Sleep-Time Within Blastholes
The sleep time in a blasthole is influenced by the extent of damage to the packaging and by the nature of any water present.
Packaging

Detagel™ Presplit is one continuous line of High Explosive Hexamine Nitrate Slurry per case. Each case also contains splicing ties for attaching string loads. All Detagel™ Presplit products are packaged in high strength, tear resistant film cartridges that are packed into 25 kg (55 lb) fiberboard cartons. Detagel™ Presplit is available in the following sizes:

<table>
<thead>
<tr>
<th>Size (mm x m)</th>
<th>Size (in.)</th>
<th># of links per line</th>
<th>Film Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 x 52</td>
<td>7/8 x 16</td>
<td>1 @ 129</td>
<td>Valeron</td>
</tr>
<tr>
<td>40 x 20</td>
<td>1 ½ x 16</td>
<td>1 @ 42</td>
<td>Valeron</td>
</tr>
<tr>
<td>45 x 14</td>
<td>1 ¾ x 16</td>
<td>1 @ 34</td>
<td>Valeron</td>
</tr>
<tr>
<td>50 x 10</td>
<td>2 x 16</td>
<td>1 @ 24</td>
<td>Valeron</td>
</tr>
<tr>
<td>65 x 6.5</td>
<td>2 ½ x 16</td>
<td>1 @ 16</td>
<td>Valeron</td>
</tr>
</tbody>
</table>

Storage and Handling

Product Classification

Authorized Names: Detagel™ Presplit
Proper Shipping Name: Explosive, blasting, type E
UN No: 0241
Classification: 1.1D

All regulations pertaining to the handling and use of such explosives apply.

Storage

Store Detagel™ Presplit in a suitably licensed magazine for Class 1.1D explosives. The cases should be stacked in the manner designated on the case. Detagel™ Presplit has a shelf life of two years from date of manufacture when stored properly in an approved, well-ventilated high explosives magazine.

Detagel™ Presplit is best stored at temperatures above -15°C (+5°F). This is especially important in cold weather “load and shoot” worksites where there is insufficient in-hole warm-up time.

For recommended good practices in transporting, storing, handling, and using this product, refer to the “Always and Never” booklet packed inside each carton.

Transport

Detagel™ Presplit should be transported between -40°C (-40°F) and +40°C (104°F).

Disposal

Disposal of explosive materials can be hazardous. Methods of safe disposal of explosives may vary depending on the user’s situation. Please contact an Orica Technical Services Representative for information on safe practices.

Safety

The post detonation fume characteristics of Detagel™ Presplit make the product suitable for both underground and surface blasting applications. Users must ensure that adequate ventilation is provided prior to re-entry into the blast area.

Detagel™ Presplit can be initiated by extremes of shock, friction or mechanical impact. As with all explosives, Detagel™ Presplit must be handled and stored with care and must be kept clear of flame and excessive heat.

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For more information please visit our website: www.orica.com

Orica’s North America headquarters can be reached at:
Tel: +1 303 268 5000
Fax: +1 303 268 5250

Emergency Telephone Numbers
For chemical emergencies (24 hour) involving transportation, spill, leak, release, fire or accidents:

Canada: Orica Canada emergency response 1-877-561-3636

USA: Chemtrec 1-800-424-9300

Notes:
(1.) Confined at 5°C (41°F). In the borehole the detonation travels from the point of initiation through the continuous presplit column. The entire borehole detonates from top to bottom virtually instantaneously. The effective velocity of the Detagel™ Presplit acting to develop the presplit shear line is approximately 14,000 fps (4,267 mps). VOD will depend on application including explosive density, blasthole diameter and degree of confinement. The VOD range is based on minimum unconfined and calculated ideal.

(2.) The “Relative Effective Energy” (REE) of an explosive is the energy calculated to be available to do effective blasting work. Energy values are based on standard ANFO with a density of 0.84 g/cc and a cut-off pressure of 100Mpa. Other computer codes may give different values.