**Product Description**

Spinifex is a water in oil emulsion explosive precursor that has been designed for use in both wet or dry blast holes in open cut hard rock mining.

Spinifex is specifically formulated to be single stream sensitised during loading into the borehole using CSBP’s chemical gassing agent, or by mixing into a Heavy ANFO blend.

**Application and Benefits**

Spinifex Emulsion is designed for excellent fragmentation of hard ground in surface mining.

Spinifex offers excellent water resistance for use in wet blast holes.

Specific blends of Spinifex Emulsion and ANFO at densities ranging from 0.9 to 1.26 g/cc can be used depending on customer’s ground conditions and energy requirements.

It is recommended that Spinifex Emulsion is sensitised with CSBP chemical gassing agent.

**Storage and Handling**

Spinifex Emulsion must be stored and used in accordance with Federal and State regulations governing Security Sensitive Substances and Dangerous Goods.

Spinifex Emulsion can be stored for up to 3 months, ideally at temperatures below 40°C.

Spinifex Emulsion is relatively insensitive to accidental initiation by mechanical impact and friction under normal conditions of use. Detonation may occur from heavy impact and/or excessive heating particularly under conditions of confinement.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent emulsion</td>
<td>100</td>
</tr>
<tr>
<td>Emulsion density g/cc</td>
<td>1.3 - 1.34</td>
</tr>
<tr>
<td>Viscosity cP</td>
<td>32,000 - 45,000</td>
</tr>
<tr>
<td>Maximum Shelf Life - days¹</td>
<td>90</td>
</tr>
</tbody>
</table>

**Packaging and Transport**

Spinifex Emulsion is supplied and transported in bulk.

Spinifex Emulsion is a Security Restricted Substance and is a Class 5.1 Oxidising Agent and therefore must be transported in accordance with Federal and State laws and regulations governing Security Sensitive Substances and Dangerous Goods.

**Hazard Shipping Name:** Ammonium Nitrate Emulsion

**UN No.:** 3375

**Classification:** 5.1 Oxidising agent

**Packaging Group:** II

**Safety**

Spinifex Emulsion must only be used where the ground temperatures are less than 55°C and must not be used in reactive ground areas.

Disposal of Spinifex emulsion can be hazardous. Methods of safe disposal can vary depending on the user's situation. Contact a CSBP product support representative for disposal advice.

More detailed safety and first aid information can be found in the Spinifex Ammonium Nitrate Emulsion Safety Data Sheet (SDS).