

Civec™ Control ANE Ammonium Nitrate Emulsion

Description

Civec™ Control Ammonium Nitrate Emulsion (ANE) is the emulsion component for use in underground civil construction and tunnelling. Chemical sensitisation is used to produce *Civec Control* explosive products on site.

Civec™ Control ANE is oxygen negative and appears as an opaque, white coloured viscous fluid, similar to a light grease or heavy oil.

Application

Civec™ Control ANE is manufactured by Orica to the highest quality standards and is delivered via tanker trucks, Iso tanks or IBC containers into appropriate holding tanks on the mine.

Civec™ Control ANE can only be used to manufacture the authorised *Civec™ Control* Series explosive products. Before mixing at any specific site, licenses are required from the appropriate Regulatory Authority.

Technical Properties

Civec™ Control ANE is an explosive precursor. Technical properties related to its explosive characteristics can be found on the *Civec™ Control* Series technical data sheet.

Civec™ Control ANE Density 1.37 g/cm³

Recommendations for Use

Civec™ Control ANE is recommended for manufacturing the *Civec™ Control* Series products. Contact your DEXPLOC representative for advice.

Ground Temperature

Civec™ Control ANE is available for use in ground temperatures 0 °C to a maximum of 55 °C. If your application requires you to operate outside this temperature range, please contact your DEXPLOC representative.

Storage and Handling Product Classification

Authorised Name: *Civec™ Control* ANE
Proper Shipping Name: Ammonium Nitrate Emulsion
UN No.: 3375
Classification Code: 5.1

Storage

Civec™ Control ANE can be stored on site for up to 3 months before use. However, the formation of crystals in the emulsion is the first sign of the product reaching the end of its life span. If practical, oldest stock should be used first.

If there is any concern with the product quality DEXPLOC representative should be contacted.

Disposal

Disposal of explosive materials can be hazardous. Methods of safe disposal of explosives may vary depending on the user's situation. Please contact a DEXPLOC representative for information on safe practices.

Safety

Civec™ Control ANE is relatively insensitive to accidental initiation by shock, friction or mechanical impact under normal conditions of use. Detonation may occur from heavy impact or excessive heating particularly under conditions of confinement.

Explosives based on Ammonium Nitrate such as the *Civec™ Control* ANE may react with pyritic materials in the ground and create potentially hazardous situations. DEXPLOC accepts no responsibility for any loss or liability arising from use of the product in ground containing pyritic or other reactive material.

Safety

Centra™ Gold ANE is relatively insensitive to accidental initiation by shock, friction or mechanical impact under normal conditions of use. Detonation may occur from heavy impact or excessive heating particularly under conditions of confinement.

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