**TECHNICAL DATA SHEET**

**Centra™ Gold**
**Ammonium Nitrate Emulsion Phase**
USA, Canada & Mexico

**Description**
Centra™ Gold Ammonium Nitrate Emulsion Phase (ANE) is the emulsion component for use by mines to blend with ANFO to produce explosive products on site. It is a non-explosive emulsion product manufactured from oxidizer solution and fuel.

Centra™ Gold ANE appears as an opaque, yellow colored viscous fluid, similar to a light grease or heavy oil.

**Application**
Centra™ Gold ANE is manufactured by Orica to the highest quality standards and is delivered via tanker trucks or iso tanks into appropriate holding tanks at the mine.

**Technical Properties**
Centra™ Gold ANE is an explosive precursor. Technical properties related to its explosive characteristics can be found on the Centra™ Gold System and Centra™ Extend System technical data sheets.

Centra™ Gold ANE Density 1.32g/cc

Centra™ Gold ANE can be only used to manufacture authorized Centra™ Gold and Centra™ Extend series of explosive products. Before mixing at any specific site, licenses are required from the appropriate Regulatory Authority.

**Recommendations for Use**
Centra™ Gold ANE is recommended for manufacturing the full range of ANFO/emulsion Centra™ Gold and Centra™ Extend system products. Centra™ Gold and Centra™ Extend must be blended with ANFO in the appropriate ratio to ensure optimum performance. Contact your local Orica Technical Representative for advice.

**Ground Temperature**
Centra™ Gold ANE is suitable for products used in ground temperatures 0°C (32°F) to a maximum of 55°C (131°F). If your application requires you to operate outside this temperature range, please contact your local Orica Technical Representative.

**Storage and Handling**

**Product Classification Canada**
- Authorized Name: Centra™ Gold ANE
- Proper Shipping Name: Explosive, blasting, type E
- UN Number: 0332, PG II
- Classification: 1.5D

**Product Classification USA**
- Authorized Name: Centra™ Gold ANE
- Proper Shipping Name: Ammonium Nitrate Emulsion
- UN Number: 3375
- Classification: 5.1
- Packing Group: II
All regulations pertaining to the handling and use of such explosives apply.

**Storage**
Centra™ Gold 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 an Orica Technical 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 an Orica Technical Services Representative for information on safe practices.
Centra™ Gold
Ammonium Nitrate Emulsion Phase
USA, Canada & Mexico

Safety
Centra™ Gold ANE contains only non-explosive ingredients. In its delivered state it is not an explosive and does not form an explosive until it is blended with ANFO or sensitized by an appropriate method.

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

Disclaimer
© 2017 Orica Group. All rights reserved. All information contained in this document is provided for informational purposes only and is subject to change without notice. Since the Orica Group cannot anticipate or control the conditions under which this information and its products may be used, each user should review the information in the specific context of the intended application. To the maximum extent permitted by law, the Orica Group specifically disclaims all warranties express or implied in law, INCLUDING ACCURACY, NON-INFRINGEMENT, AND IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The Orica Group specifically disclaims, and will not be responsible for, any liability or damages resulting from the use or reliance upon the information in this document.

The word Orica and the Ring device are trademarks of the Orica Group.

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
Mexico: 01-800- 002-1400