

Technical Data Sheet

ANS60 Ammonium Nitrate Solution

Description

Solution of Ammonium Nitrate (ANSOL).

Application

ANSOL can be used as the primary oxidiser in the manufacture of bulk and packaged emulsion explosives.

Key Benefits

- Pure grade source of ammonium nitrate containing no additives
- Easily moved by ISO containers on approved trucks
- Can be used in the production of bulk and packaged explosives.

Properties

Physical Form	Clear liquid
AN Concentration (% w/w)	59.0 – 62.0
pH (10% at 20°C)	5.0 - 8.0
Turbidity (as 50 % solution) (NTU)	<0.2
Typical Dispatch Temperature (°C)	25 - 50

Packaging

Available in ISO containers only.

Product Classification

Proper shipping name: AMMONIUM NITRATE, LIQUID
UN No: None (<80%) in accordance with IMDG Code
Division: 5.1 (Oxidising Agent)
HAZCHEM 1Z

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

Storage and Transport

Ammonium Nitrate is required to be transported in strict accordance with the dangerous goods transportation standards. For Indonesian customers, reference should be made to the Regulation of the Head of Indonesian Police No. 02 of 2008. Further information is available on the Material Safety Data Sheet for Ammonium Nitrate Solution 55% - 65%.

Disposal

Disposal of ANSOL can be hazardous. Methods for safe disposal may vary depending on the user's situation. Please contact a local PT Kaltim Nitrate Indonesia representative for information on safe practices.

Safety

ANSOL poses the following hazards:

- Supports combustion
- Decomposes with excessive heating, releasing toxic fumes
- Thermal and chemical burns
- Toxic to aquatic organisms
- See the MSDS for complete product details.

Disclaimer

Explosives based on Ammonium Nitrate such as ANSOL may react with pyritic materials in the ground and create potentially hazardous situations. PT Kaltim Nitrate Indonesia accepts no responsibility for any loss or liability arising from use of the product in ground containing pyritic or other reactive material. All information contained in this data sheet is accurate and up-to-date as at the issue date specified below. Since PT Kaltim Nitrate Indonesia 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, PT Kaltim Nitrate Indonesia will not be responsible for damages of any nature resulting from the use of or reliance upon the information in this data sheet. No express or implied warranties are given, other than those implied mandatory by law.

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