



TECHNICAL DATA SHEET

1. Product Classification



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|-----------------------------------|---|--------------------|-------------------------|
| Authorized name: SOLARANFO | Shipping Name: Explosive, Blasting, Type E | UN No: 0082 | Class Code: 1.1D |
|-----------------------------------|---|--------------------|-------------------------|

2. Description

SOLARANFO is a booster sensitive powder explosive obtained from the mixture of %94.5 Ammonium Nitrate and %5.5 diesel oil mixed at factory environment. Explosive is pink in color.

3. Application

SOLARANFO is not a water resistant explosive and it is not recommended to use in watery holes alone. Even though SOLARANFO is specially used in dry holes, it can also be used in watery holes after the water level is passed with emulsion explosives. SOLARANFO is mainly used in medium or big diameter blasting holes. It is recommended to use in 2.0 inch (51mm) or higher diameters.

4. Key Benefits

- SOLARANFO provides high safety.
- SOLARANFO is easy to handle and carry. It can be loaded very easily into the vertical holes.
- SOLARANFO provides good fragmentation.

5. Technical Properties

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|---|---|
| Bulk Density (g/cc) | 0.78-0.81 |
| V.O.D. (Velocity of Detonation-m/sec.) | 4200 (confined-125mm steel pipe) |
| Water Resistance | None |

6. Packaging

SOLARANFO explosive is normally packed in double layer PP/PE bags. The net weights in each bag are as below;

| | |
|------------------|--------------------|
| Pack Type | Weight (kg) |
| PP/PE Bag | 25 |

7. Recommendations for Use

7.1. Priming and Initiation

SOLARANFO is a booster sensitive explosive and can be initiated using a cap sensitive as primer. SUPERPOWER90 products are recommended as booster for initiation of SOLARANFO.

7.2. Charging

Charging can be done by pouring the product in the hole directly. Or in cases necessary SOLARANFO can also be charged pneumatically by using appropriate machinery.



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8. Storage and Handling

Store this product in a suitably licensed magazine for class 1.1D explosives. The cases should be stacked in the manner designated on the cases.

SOLARANFO has a storage life up to 6 months in an approved magazine; however, exposure to hot or cold extremes may cause the product to deteriorate earlier. SOLARANFO is best stored at temperatures -15°C to $+35^{\circ}\text{C}$. All regulations pertaining to the handling and use of such explosives apply.

9. Disposal

Disposal of explosive material can be hazardous. Method for safe disposal of explosives may vary depending on the specific conditions. Please contact a SOLAR PATLAYICI MADDELER SANAYİ A.Ş. for information on safe practices.

10. Safety

The post detonation fumes characteristics of SOLARANFO make the product suitable for both underground and surface blasting applications. Users should ensure that adequate ventilation is provided prior to re-entry into the blast area. SOLARANFO can initiate by extreme shock, friction of mechanical impact. As with all explosives, SOLARANFO should be handled and stored with care and must be kept clear of flame of excessive heat.

SOLARANFO does not burn easily, but it must be kept clear of flame and excessive heat.

11. Disclaimer

Explosives based on Ammonium Nitrate such as SOLARANFO may react with pyritic materials in the ground and create potentially hazardous situations. SOLAR PATLAYICI MADDELER SANAYİ A.Ş. accepts no responsibility for any loss or liability arising from use of the product in ground containing pyritic or other reactive material.

All information contain in this document is accurate and up-to-date as at the date of issue. Since SOLAR PATLAYICI MADDELER SANAYİ A.Ş. cannot anticipate or control the conditions under which this information and its product may be used, each user should review the information in the specific context of the intended application. To the maximum extent permitted by law, SOLAR PATLAYICI MADDELER SANAYİ A.Ş. will not be responsible for damages of any nature resulting from the use or reliance up to information in this document. No express or implied warranties are given, other than those implied mandatory by law.

12. Approvals

SOLAR PATLAYICI MADDELER SANAYİ A.Ş. has its own integrated management system ISO 9001:2015 Quality Management System, ISO 14001:2015 Environmental Management System, OHSAS 18001:2007 Occupational Health & Safety Management System and in an addition, ISO 10002:2014 Customer Satisfaction Management System. Also has CE certificates for each product type.

SOLAR ANFO CE Certificate No: MP CT 18 EXP 038 148 issued by notified body 1877.

13. Other Informations

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14. Notes