

TECHNICAL DATA SHEET

SUPERFAM DOS

Generic Name by SUCAMEC: ANFO

DESCRIPTION AND COMPOSITION:

SUPERFAM DOS is a granular blasting agent composed of ANFO grade prilled ammonium nitrate, a liquid fuel and a colorant. The mixture is made in modern equipment of high precision that, added to the high quality of the components, allows us to produce a blasting agent of optimum quality.

The ammonium nitrate with which SUPERFAM DOS is manufactured presents a high oil retention capacity, with which we obtain a more stable product, so that the fuel does not migrate after a prolonged manufacturing time.

USES:

It is mainly used in surface mining as well as underground mining, civil works and where the type of rock is soft or semi-hard.

When used in conventional diameter drill holes in underground mining, in order to optimize its performance, we recommend starting it with Semigelatin or Gelatin type Dynamite or Emulnor 3000 type Emulsions; both manufactured by FAMESA EXPLOSIVOS S.A.C. For larger diameters, high density primers such as Booster HDP should be used.

The handling temperature range for SUPERFAM DOS is from 0°C to 30°C. For different temperatures it is recommended to contact the Technical Assistance area.


TECHNICAL CHARACTERISTICS:

| | | UNIT | SUPERFAM DOS |
|------------------------------|------------------------------|-------------------|--------------|
| Bulk density | | g/cm ³ | 0.80 ± 0.05 |
| Velocity of Detonation | Confined in 2-inch iron pipe | m/s | 3 000 ± 300 |
| | Confined in 4-inch iron pipe | m/s | 4 000 ± 300 |
| Theoretical energy by weight | | kcal/kg | 932 |
| Normal volume of gases | | l/kg | 1056 |
| Relative energy | By weight | % | 100 |
| | By volume | % | 100 |
| Detonation pressure | | kbar | 51 |
| Water resistance | | --- | None |
| Critical diameter | | mm | 38 |

The values expressed are results at normal conditions (20°C and 1 atm.)

PACKAGING:

It is packaged in a double bag: the inner bag is made of polyethylene with impermeable characteristics, while the outer bag is made of polypropylene, a material resistant to handling and storage, on which the product identification is displayed.

Packing 1.5D

| | MATERIAL | NET WEIGHT (Kg) | GROSS WEIGHT (Kg) | OUTER DIMENSIONS (cm) |
|--------------|----------|--------------------|----------------------|--------------------------|
| SUPERFAM DOS | Plastic | 25.0 | 25.3 | 83.8 x 50.8 |

TRANSPORT:

Class : 1
Division : 1.5D
UN No. : 0331


STORAGE AND WARRANTY:

SUPERFAM DOS should be stored in powder magazines at **temperatures between 5°C and 30°C**, located in safe, well ventilated, dry areas, protected from rain and heat. Also, the explosive inventory should be rotated, avoiding the use of new materials before using old ones. And it must be stored according to the current compatibility table of the relevant authority.

SUPERFAM DOS kept in its original packaging and stored in the above-mentioned temperature conditions has a **warranty period of 6 months** after its production date.

WARNING:

FAMESA EXPLOSIVOS S.A.C. has safe products, but they may become dangerous elements in inexperienced hands.

The purchaser or user must comply with the applicable regulations during transport, storage and use, as well as train duly all its personnel involved in its loading and handling, providing mechanical aids for loads over 25 kg per person.

FAMESA EXPLOSIVOS S.A.C. assumes no liability for transport, storage and/or improper use their products may experience.

The information and recommendation described in this document do not necessarily cover all product applications nor the different conditions under which it is being used. These are based on the experience, research and tests done by Famesa Explosivos S.A.C., who does not guarantee favorable results nor assume any responsibility, expressed or implied, in relation to the use of these suggestions. This product may be changed without prior notice.