



Demsa Premium ABC 55 - Dry Chemical Extinguishing Powder

1. General Features

Demsa Premium ABC 55 is an efficient ABC type dry chemical extinguishing powder. It is based on mono-ammonium phosphate, the best known and effective multipurpose extinguishing agent. The active ingredient is mixed with silicone additives to improve their fluency and makes it resistant to extreme weather conditions.

Demsa Premium ABC 55 is foam agent compatible.

2. Applications

Demsa Premium ABC 55 is a multipurpose fire extinguisher powder. It is used in:

Class A fires: Fires originated by solid combustibles such as wood, paper, fabric, plastic, and most kinds of trash.

Class B (US std.) - Class B/C (EEC std.) fires: Fires whose fuel is flammable or combustible liquid or gas

Class C (US std.) - Class E (EEC std.) fires: Fires involving potentially energized electrical equipment.

Demsa Premium ABC 55 is not appropriate for extinguishing metal fires.

It may be used in both, hand portable and wheeled extinguishers, vehicles and fixed systems. The use of nitrogen as propellant is advisable. Compressed air, or carbon dioxide may also be used.

3. Toxicity

Demsa Premium ABC 55 does not contain harmful ingredients. Under normal conditions of use, it is environmental friendly and non-toxic to humans and animals. Refer to our ABC Safety Data Sheet for further specifications and regulations.

4. Appearance

Demsa Premium ABC 55 is a light yellow, free flowing, hydrophobic powder. Other colors are available upon request.

5. Packing

The most common presentations of **Demsa Premium ABC 55** are:

- 25 kg polyethylene double bag
- 1000 kg bulk big bag

The packages are shipped in non- returnable pallets and managed with polyethylene film.

6. Storage

Demsa Premium ABC 55 is formulated for long term storage; it may last up to ten years without losing its efficiency.

However, the powder's integrity depends on the prevalent storage conditions. It is highly recommended to store in temperatures between 4°C to 49°C/35°F to 120°F (ideal storing temperature is 20°C +/- 2°C/64.4°F to 71.6°F), dry places (60% +/- 5% relative humidity), avoid sudden weather conditions changes, do not stack the pallets, handle the packages with care and maintain the product in its original, tight sealed packaging until use.

7. Physical and Chemical Properties

SPECIFICATIONS	VALUES
Particle size analysis, % retained on US Std. sieves:	
#50 (300µm)	0
#100 (150µm)	0-6
#200 (75µm)	14-26
#325 (45µm)	34-46
Water repellency	90 min.
Hygroscopicity method	3 max.
Humidity	0.25 max.
Monoammonium phosphate concentration %	55 %

8. Quality assurance and approvals

Demsa PREMIUM ABC 55 is manufactured and certified under ISO 9001/2015 international standard.

Demsa PREMIUM ABC 55 is certified under UL 711 as recognized component for fire extinguishers factory charging.

Demsa PREMIUM ABC 55 meets EN 615 – EEC standards

Demsa PREMIUM ABC 55 is certified under IRAM 3569/2009

The information given in this Product Data Sheet is indicative only and does not constitute a guarantee. The manufacture of this product has been carried out under strict control and no risk will be incurred if it is handled and used according to the instructions given. As no control can be exercised over its use, Industrias Químicas Dem S.A. cannot accept responsibility for any damage which may result from its misuse.

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