



## 1. PRODUCT DESCRIPTION

FLAMAX Brand ABC type Dry Chemical Powder is very efficiently applied in fighting fire extinguishing activity. The powder is Mono Ammonium Phosphate based agent. Additives are added to the ingredients to make the powder free-flowing, moisture repellent, and Frost resistant. It is very successful on fires involving ordinary combustibles materials such as wood, paper, cotton, rubber, many types of plastics as well as fires involving flammable liquids and energized electrical equipment. Special high-performance hydrophobic agents are also added to ensure the best water repellency and minimized the risk of powder caking during storage. It is suitable for use in high-risk areas such as refineries, chemical plants, and airfields where superior fire extinguishing capabilities are of paramount importance.

## 2. EXTINGUISHING MECHANISM

When FLAMAX Brand ABC Dry chemical powder is applied on class B fires it causes the fire to go out by interfering with the chemical chain reaction by combustion when applied on Class A fire. The particles fuse and swell up to form a barrier (coating) that eliminates oxygen and thereby completes the extinguishing process and prevents re-ignition.

## 3. APPLICATION

ABC Dry Chemical suppressing agent may be used to combat fires in ordinary combustible materials such as wood, cloth, paper, rubber and many plastics (Class A) as well as fires inflammable liquids, gases and greases (Class B) and fires involving energized electrical equipment (Class C).

## 4. VARIANTS

FLAMAX Brand ABC Dry Chemical Powder is available in many variants depending on the MAP Concentration

FLAMAX Brand ABC-20, FLAMAX Brand ABC-30, Flamax Brand ABC-40, Flamax Brand ABC-50 & Flamax Brand ABC-90

## 5. TECHNICAL SPECIFICATIONS

Property	ABC-40	ABC-50	ABC-90
Appearance	Pale Yellow	Pale Yellow	Pale Yellow
Apparent Density [gm/ml]	0.75-1.10	0.75-1.10	0.75-1.10
Chemical Content (MAP)	Min.40%	Min.50%	Min.90%
Water Repellency	<1.5%	<1.5%	<1.5%
Moisture Content	<0.5%	<0.5%	<0.5%
Flowability / Free Flowing	>50gm/sec	>50gm/sec	>50gm/sec
Particle Size Distribution	Range		% Retained
	100 Mesh/0.150mm		2-15
	200 Mesh/0.075mm		18-28
	325 Mesh/0.45mm		18-32
	Bottom pan		25-62

\* Colour may be customized according to the customer requirement

\*\* Value depends on the equipment used system parameters.

\*\*\*\* Product customization is available as per requirement.

## 6. STORAGE AND HANDLING

FLAMAX Brand ABC Dry Chemical Powder is manufactured to not be affected by long-term storage. However, powder's efficiency depends on the storage condition. It is highly recommended to store in temperature (-60°C to +60°C) dry places (<75% relative humidity), do not stack the pallets, handle the packages with care and maintain the product in its original, tight sealed packaging until use.

## 7. ENVIRONMENTAL IMPACT

FLAMAX Brand ABC Dry Chemical Powder is eco-friendly, biodegradable, low in toxicity and can be treated in sewage treatment plants.

## 8. PACKAGING



Sack  
25 Kg



Jumbo Bag  
1000 Kg

## 9. LISTINGS AND APPROVALS

