



## 1. PRODUCT DESCRIPTION

FLAMAX Brand is a highly efficient BC-type dry chemical powder. It is either Sodium Bicarbonate [75%-90%] or Potassium Bicarbonate [70-90%] based powder. Additives are mixed to make the powder free-flowing, moisture repellent, and weather resistant. It is effective on fires involving ordinary combustibles materials such as involving flammable liquids, gases and energized electrical equipment. Special high-performance free-flowing additives and 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 BC 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 B 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

BC Dry Chemical suppressing agent may be used to combat fires inflammable liquids, gases, and greases (Class B) and fires involving energized electrical equipment (Class C).

## 4. VARIANTS

FLAMAX Brand BC Powder comes in the following variants:

- FLAMAX Brand BC Powder [Sodium Bicarbonate based]
- FLAMAX Brand BC Powder [Potassium Bicarbonate based]

## 5. TECHNICAL SPECIFICATIONS

Property	Sodium Bicarbonate Based	Potassium Bicarbonate Based
Appearance	White Free Flowing Powder	White Free Flowing Powder
Apparent Density	0.75-1.10	0.75-1.10
Chemical Content	75% min.	75% min.
Water Repellency	<1.5%	<1.5%
Moisture Content	<0.5%	<0.5%
Flowability / Free Flowing	>50gm/sec	>50gm/sec
Particle Size Distribution	<b>Range</b>	<b>% Retained</b>
	100 Mesh/0.150mm	0-2
	200 Mesh/0.075mm	0-10
	325 Mesh/0.45mm	10-35
	Bottom pan	53-90

\* 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 BC 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 BC 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

