

**FLAMAX®**

**BRAND FIRE UPBC DRY CHEMICAL POWDER**



### 1. PRODUCT DESCRIPTION

FLAMAX Brand Firex is a highly efficient BC-type dry chemical powder. It is a Potassium Bicarbonate – Urea complex reaction-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. The powder has a good electrical insulation value & discharge performance. The powder has good stability with more than 5-years of shelf life.

**FLAMAX Brand Firex UPBC Dry Chemical powder is known to be the world's most powerful fire extinguishing media. Not only this but also the groundbreaking chemistry behind the product provides the customer with the most cost-effective and economical solution.**

**THE FOAMTECH CUTTING EDGE ADVANTAGE-**The application density of FLAMAX Brand Firex UPBC Dry Chemical powder is  $0.52 \text{ Kg/m}^2$ .

### 2. EXTINGUISHING MECHANISM

When FLAMAX Brand Firex 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

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

#### 4. TECHNICAL SPECIFICATIONS

Property	UPBC DCP	
Appearance	White	
Apparent Density	0.75-1.10	
Water Repellency	<1.5%	
Moisture Content	<0.5%	
Flowability	>50gm/sec	
Particle Size Distribution	Range	% Retained
	140 Mesh	8.20 -16.20
	200 Mesh	3.30-15.30
	270 Mesh	8.30-20.30
	Bottom pan	55.50-73.50

\* Colour may be customized according to the customer requirement

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

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

#### 5. STORAGE AND HANDLING

FlamaxBrand Firex UPBC 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.

#### 6. ENVIRONMENTAL IMPACT

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

#### 7. PACKAGING



Sack  
25 Kg



Jumbo Bag  
1000 Kg

#### 8. LISTINGS AND APPROVALS

