



IS:4308



CM/L-7200176212

BC Dry Chemical Powder (Potassium Bicarbonate)

PBC is a highly efficient BC type dry chemical extinguishing powder. It is based on potassium bicarbonate, one of the most effective agents against B and C class fires. The active ingredient is mixed with additives for improving its fluidity and making it weather resistant. It is Protein Foam, AFFF and AR-AFFF foam compatible.

APPLICATION

PBC is an efficient extinguishing agent for class B and C fires. It is suitable for combustible liquids and burning gases. It can also be applied on fires involving energized electrical equipment. It is not appropriate for extinguishing metal fires. It may be used in both, hand portable and wheeled extinguishers, vehicles and fixed systems. As propellant, compressed air, nitrogen or carbon dioxide may be used.

TOXICITY

It is non toxic and harmless to human and animal bodies. Extensive tests have indicated that in normal application no detrimental effect will be experienced.

STORAGE AND SHELF LIFE

PBC is formulated for not being affected by long term storage; it may last up to five years without losing its typical characteristics. However, the powder's integrity depends on the prevalent storage conditions. It is highly recommended to store in temperature < 50°C dry places (< 75% 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.



PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES	AVERAGE VALUES	
Appearance	Free Flowing Powder	
Colour	White	
Sodium bicarbonate content, Min	90%	
Apparent Density gm/ml	0.85 to 1.10	
Particle Size Distribution	Min	Max
0.425 mm		0%
0.150 mm	0%	2%
0.075 mm	0%	10%
0.045 mm	10%	35%
<0.045 mm	53%	90%
Moisture Content, Max	0.25%	
Water Repellency, Min	98.5%	
Fluidity, gm/sec, Min	50	

STANDARD PACKING

Standard packing are in 5 kgs./10 kgs./25 kgs./50 kgs. (net wt) hermetically sealed polyethylene bags. For safe transportation these bags may be packed in mild Steel Drums / High Density Polythene Drums of suitable sizes if required by Customer.

FIRE FIGHTING EQUIPMENT



Manufactured by

UNITED FIRE & SAFETY SERVICES

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