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Dry Chemicals and Dry Powders

ABC Dry Chemical Powder

DESCRIPTION

Chemguard "ABC" is a multipurpose, monoammonium phosphate based, dry chemical powder that is treated with flow promoting and moisture repellent additives during manufacturing. The special Chemguard manufacturing process and quality control system, ensures that the purchaser will receive a powder that is cost efficient with maximum fire extinguishing performance, versatility and storage stability. ABC is suitable for use as a recharge agent in most manufacturers' fire extinguishers that utilize monoammonium phosphate based dry chemical powder. It is very effective on fires involving ordinary combustible materials such as wood, paper, cotton, rubber, many types of plastics as well as fires involving flammable liquids and energized electrical equipment. Because of its versatility, ABC is most suitable for use on combination fires involving Class A, B or C type fires together. Chemguard ABC is typically yellow in color which differentiates it from the other dry chemical powders.

Chemguard was recently awarded a patent issued by the U.S. Patent Office covering a new and improved formulation for ABC dry chemical powder.

EXTINGUISHING MECHANISM

When Chemguard ABC dry chemical powder is introduced directly into the fire area of a Class B type fire, it causes the fire to go out by interfering with the chemical chain reaction of combustion. When the ABC powder is applied to a Class A type fire, the particles fuse and swell up to form a barrier (coating) which eliminates oxygen and thereby completes the extinguishing process and prevents reignition.

FOAM COMPATIBILITY

All Chemguard dry chemical powders are considered foam compatible when used in conjunction with foam solutions generated by Chemguard manufactured foam concentrates such as AFFF, AR-AFFF, High Expansion, Training Foams and Class A.

LIMITATIONS

Per NFPA Standard 10 Portable Fire Extinguishers, Chemguard does not recommend ABC dry chemical powder be used on fires involving cooking grease or vegetable oils. Suitable agents for these type fires are either sodium bicarbonate or potassium bicarbonate based powders.

STORAGE

Chemguard dry chemical powders are formulated so that they are not affected by long term storage. As a general guide all powders are stable at low temperatures down to -60°F (-54°C), with an upper storage limit of 120°F (49°C).

CAUTION

Never mix monoammonium phosphate based fire extinguishing agents with bicarbonate based agents in any fire extinguisher due to a chemical reaction that may occur.

PACKAGING

Chemguard ABC dry chemical powder is supplied in 50 lb. plastic pails or 50 lb. Plastic lined cartons. 2,000 lb. bulk bag or 400 lb. drums are available on request.

ORDERING INFORMATION

| Part No | Description |
|---------|-------------------------------|
| PB1001 | ABC powder in 50 lb. Box |
| PP1001 | ABC powder in 50 lb. Pail |
| PD1001 | ABC powder in 400 lb. Drum |
| PBB1001 | ABC powder in 2,000 lb. B/Bag |

Custom formulations including variations in the monammonium phosphate content of the ABC dry chemical are available upon request.