



by Tyco Fire Suppression & Building Products

# Purple-K DRY CHEMICAL EXTINGUISHING AGENT

Data/Specifications

## APPLICATION

ANSUL Purple-K may be used to combat fires in flammable liquids, gases and greases (Class B) including such fires when involved with energized electrical equipment (Class C). Because of its excellent fire fighting effectiveness, Purple-K is widely used in the petroleum industry and in other areas where the fire risk is high.

Purple-K is available in hand portable and wheeled extinguishers, large stationary units, mobile units, and various fixed nozzle piped systems.

## DESCRIPTION

Purple-K is one of the most effective of the ANSUL dry chemicals against Class B fires. It is a potassium bicarbonate based dry chemical containing chemical additives, and is produced by an exclusive ANSUL chemical process. The resultant agent is free-flowing, water repellant, non-abrasive and, when used as a fire extinguishing agent, will produce no toxic effects. Purple-K is violet in color to differentiate it from the other dry chemical agents.

Post-fire cleanup of Purple-K can be readily accomplished using a vacuum cleaner or a broom and dust pan.

## PERFORMANCE

Purple-K is extremely effective against Class B fires, and has been shown to be at least 4 to 5 times as effective in extinguisher applications as carbon dioxide, and more than twice as effective as sodium bicarbonate based extinguishants. Various extinguishers will operate at temperatures as low as -65 °F and as high as 120 °F (-54 °C and 49 °C).

**Caution:** Never mix Purple-K with phosphate based dry chemicals. A chemical reaction that is harmful to the extinguisher will take place.

## ORDERING INFORMATION

Purple-K is available in fifty pound pails (Part No. 9335). Refill services are available from your local authorized ANSUL distributor.

## APPROVALS AND LISTINGS

Nationally recognized testing laboratories grant an approval or listing for the combination of an extinguisher and its agent. Numerous types and sizes of approved or listed Purple-K extinguishers are available. Following discharge, these extinguishers are to be refilled only with the original agent, as specified on the nameplate. This agent meets specifications of agencies of the U.S. and Canadian governments.