

## Solid aerosol technology for fire protection

Ansul Inc., the United States, offers a new solid aerosol technology for fire protection. Micro-K™ agent is stored in solid form inside a triple-chamber steel housing called a 'generator'. When fire is detected, an actuator embedded in the Micro-K agent initiates a chemical reaction to generate a gaseous product, which quickly condenses into particles that are smaller than that of a dry chemical. This particulate aerosol escapes from the generator and easily mixes with air throughout the hazard area. Key features of Micro-K include:

- 1 About 50-100 g of this agent can protect a space of 1 m<sup>3</sup>;
- 1 No pressure vessels or distribution piping is required;
- 1 Does not generate toxic or corrosive products of decomposition;
- 1 Flexible actuation methods include mechanical or electrical, automatic or manual;
- 1 Zero ozone-depleting potential and global warming potential; and
- 1 Wide temperature range (-40° to 54°C).

Similar to 'Purple-K' dry chemical, the aerosol particles break the combustion chain reaction, thereby extinguishing the fire. Micro-K can be used for a variety of applications including cellular sites, engine compartments in pleasure crafts, workboats and military vehicles, switchgear rooms, inflammable liquid storage rooms, safety storage buildings, paint cabinets, machinery spaces, transformer rooms, hydraulic pump packs, industrial solvent degreasers, etc. (Website: [www.fs-world.com](http://www.fs-world.com))