Architectural designs of buildings are generally constructed to limit the extent of spreading fire. In order to accomplish this completely, the design features must include fire suppression systems that have been rigorously tested, fire marshal approved and UL listed.

The reliability of individual fire protection strategies such as effective fire extinguishants are important input to detailed engineering and architectural analyses associated with performance-based design. In the context of fire extinguishants, there are several elements of reliability, including how they operate, perform and cleanly extinguish fire in a cost effective and safe manner.

Cost Effective, Clean and Safe
DuPont developed clean agent fire-extinguishants that are environmentally acceptable. Safe for people, electrically nonconductive, non-corrosive and free of residue, DuPont™ Fire Extinguishants can be used in new applications and replace other agents in existing systems with minimal modifications. They require less agent to exterminate a fire and are more cost effective than competitor's products by a ratio of two to one.

DuPont™ FM-200® -- FM-200® waterless fire protection is designed to flood an enclosure that is normally occupied. FM-200® should be used where agents such as water, dry chemical, and carbon dioxide are unacceptable because they cause damage to electronic equipment or present a safety risk to people. Operations can resume as soon as fire damage is repaired allowing for minimal business interruption.

FM-200® is useful to extinguish fires in locations where delicate or irreplaceable items are present such as those found in museums, libraries and historical sites.

DuPont™ FE-25™ -- Used globally for new construction, FE-25 is the most cost effective fire extinguishant available since it can replace extinguishing agents in existing systems with minimal or no modifications.

FE-25™ can be used in computer rooms, telecommunication switch stations, semiconductor manufacturing facilities, data processing centers, clean rooms, industrial process control rooms, museums, libraries, and historical sites. FE-25™ is an excellent choice for flood suppression where people are present.

FE-25™ also suppresses Class-B fire hazards for areas such as petrochemical facilities, chemical storage rooms, paint lockers, and other applications with hydrocarbon-based materials.

DuPont™ FE-13™ -- FE-13™ has the lowest toxicity and is the safest for protecting areas where people are present. FE-13 is effectively used in normally occupied areas such as oil rig platforms, electrical control rooms, flammable liquid processing areas and mobile communication facilities. It leaves no residue that would cause damage or post-fire cleanup.

FE-13™ can be used in applications with difficult Class-B fire hazards, such as hard-to-extinguish fuels like methanol, as well as spaces where the volume will vary with contents, like cargo holds. FE-13™ is the preferred alternative to other clean agents in portable fire extinguishers, where its low toxicity provides for improved safety margins.

DuPont™ FE-36™ -- In a portable fire extinguisher, FE-36™ is discharged as a stream of gas and liquid droplets that ceases the combustion process through heat absorption and a chemical interaction. Portable fire extinguishers containing FE-36™ protect computer rooms, telecommunications facilities, process control rooms, museums, archives, hospitals and laboratories. FE-36™ can replace other fire extinguishants in local application systems where there is not a complete enclosure, such as a workbench, fume hood or engine bay. FE-36™ is also used in applications such as a small self-contained total flooding unit. It is suited for cell phone tower support buildings, electric cabinets, electronic vaults and precious item storage vaults.

Commitment to Safety
For over 200 years, safety has been a core value at DuPont. Through the miracles of science, we protect what matters most – people, assets and the environment. It is our goal to provide businesses with fire safety solutions – from fire extinguishants, to limited combustible communications cabling solutions. To learn more about DuPont fire safety solutions, visit: www.dupont.com

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