

# DuPont Fire Extinguishants Fact Sheet for Rail and Subway Engineers

Rail and subway safety affects millions of people everyday. As a result, precautions need to be taken in order to help protect passengers and equipment from disasters, such as fires.

When choosing fire extinguishants in a railway system, train and subway engineers must consider the lives of people and service interruption once the flames are put out. The most prevalent fire extinguishing agents, such as water and dry chemicals, are sufficient for suppressing fires, but they can also pose a potential risk to people and may cause additional damage to electrical and magnetic wiring and train cars. This damage contributes to down time losses that can add up and cripple operations. Therefore, an effective and clean fire extinguishant system is needed to suppress fire in rail trains and subway tunnels, and minimize service interruption.

## **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™ FE-227™** -- FE-227™ is the leading clean agent designed to flood an enclosure that is normally occupied. FE-227™ 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. With FE-227™, operations can resume as soon as fire damage is repaired allowing for minimal business interruption.

**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, rail trains and subway tunnels. FE-25™ is an excellent choice for flood suppression where people are present.

**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™ are best to protect computer rooms, telecommunications facilities and process control rooms.

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 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. To learn more about DuPont fire safety solutions, visit [www.dupont.com/](http://www.dupont.com/).



*The miracles of science™*