



FE-36™ protects vital computer equipment for all types of communications systems.

PROTECTING WHAT MATTERS MOST

DuPont is committed to working with its partners in the marketplace to develop solutions that add value to the fire protection industry, improve the safety and quality of life for people around the world, and provide you with peace of mind. Our goal in fire protection, like that of our customers, is to protect people and valuable assets. HFC-236fa is a widely used clean agent. HFC-236fa is nonflammable, has low toxicity, and has zero ozone depletion potential (ODP). HFC-236fa is also known as FE-36™ fire extinguishant.

The value of DuPont™ FE-36™

DuPont™ FE-36™ is intended to prevent or extinguish fires in situations where conventional extinguishing agents such as water, dry chemicals, and carbon dioxide are unacceptable because they cause collateral damage, significantly interrupt business productivity, or present a safety risk. FE-36™ portable fire extinguishers are used to protect high-value assets such as: process control rooms, computer rooms, telecommunications facilities, museums, archives, hospitals, banks, laboratories, and airplanes.

FE-36™ is proving to be the standard in-kind replacement for Halon 1211 in portable fire extinguishers. FE-36™ has comparable performance and efficiency to Halon 1211, lower toxicity, as well as zero ozone depletion potential. In a portable fire extinguisher, FE-36™ is discharged as a stream of gas and liquid droplets that penetrate into the fire area, stopping the combustion process through heat absorption and a chemical interaction. FE-36™ is also a replacement for Halon 1301 in local application systems, such as modular systems.

Applications

Portable Fire Extinguishers. FE-36™ is the most widely used zero ozone depleting replacement for Halon 1211 in portable fire extinguishers and is approved for use on Class-A, -B, and -C fires. Compared to Halon 1211, FE-36™ has lower toxicity and is exceptional for use in relatively small enclosures. Portable fire extinguishers containing FE-36™ and certified by UL and EN3 are commercially available from several manufacturers. The UL-listed units carry a 2-B:C, 5-B:C, 1-A:10-B:C and 2-A:10-B:C rating. The EN3-listed units carry a 34B, 5A-55B and 80A-70B rating. All EN3-listed units are safe for use on live electrical equipment up to 1000 V at a distance of 1 meter.

Local Application Systems. FE-36™ is used as a replacement for Halon 1211, Halon 1201, and CO₂ in local application systems. This is a specialized application where there is not a complete enclosure, such as a work bench, fume hood or engine bay. FE-36™ is also used in modular systems. This application is a small self-contained total flooding unit. It is well suited for cell phone tower support buildings, electric cabinets, electronic vaults, precious item storage vaults, or any other area requiring fire protection, no collateral damage, and low toxicity.



Heat and smoke can quickly damage sensitive components. FE-36™ acts quickly to prevent or extinguish fires.

FE-36™: SAFER FOR PEOPLE, ASSETS & THE ENVIRONMENT

Of the many methods and substances used to prevent, control, and extinguish fire, DuPont™ FE-36™ fire extinguishing agent offers unique advantages over traditional extinguishants. It is safe for people, safe for assets, and is an environmentally preferred option.

Safe for People. FE-36™ is intended for use as a streaming agent providing a gas concentration sufficient to prevent or extinguish a fire. FE-36™ is safe for use in occupied spaces. The EPA and the National Fire Protection Association (NFPA) classify FE-36™ as acceptable for normally occupied spaces.

Safe for Assets. FE-36™ is electrically nonconductive, noncorrosive, and free of residue. As a gaseous agent, FE-36™ targets the flame and prevents or extinguishes the fire. Operations can resume quickly, particularly if early detection methods are in use. As a clean agent, FE-36™ leaves no residue that would cause damage or post-fire cleanup. This means less collateral damage and minimal business interruption, reducing the potential costs of any fire incident.

Safer for the Environment. FE-36™ does not contain chlorine or bromine, and has zero ozone depletion potential. Like many fluorine-based gases, HFC-236fa has some global warming potential. When a FE-36™ fire extinguishing system reaches the end of its useful life, the agent can be reclaimed for use in other systems. FE-36™ acts as a long-term insurance policy, providing improved security for people and assets with minimal impact on the environment.

FE-36™ is listed as an acceptable Halon replacement in the EPA SNAP Program for Halon 1211 in portable fire extinguishers and local application systems. FE-36™ is noncorrosive, electrically nonconductive, free of residue, and has an ozone depletion potential of zero. It is ideally suited for protecting high-value equipment such as in computer rooms, telecommunication facilities, and aircraft.

FE-36™ also has an application as a total flooding agent and explosion suppression agent in normally occupied spaces.

The heptane cup burner extinguishing concentration for FE-36™ in air is 6.5% (volume).



The visitors, library, and even the collections are all safe with a system that utilizes FE-36™.

