Fire suppression for flammable liquids

- Superior flame knock-down
- Resists burnback for safer firefighting
- Suppresses vapors
- Cools heat sources on contact

Choice Fire Suppression for a Variety of Operations

The combustion of flammable liquids, greases, gases and similar materials involves rapid vapor-phase oxidation of the fuel and subsequent involvement of more fuel due to radiant heat feedback. ANSUL® Aqueous Film-Forming Foam (AFFF) suppresses these fires by excluding oxygen, inhibiting the release of combustible vapors, and cooling the fuel and adjacent heat sources.

Best Cross-Functional Performance

ANSUL®TE Alcohol-Resistant Aqueous Film-Forming Foam (AR-AFFF) Concentrates produce a foam that is effective on hydrocarbon fuels as well as polar solvent (water-soluble) fuels such as methanol, ethanol and acetone. ANSUL®TE AR-AFFF exhibits the best cross-functional performance for flame knock-down, burnback resistance, extended vapor suppression, and manufacturing.

Today’s alcohol-resistant concentrates are based on AFFF concentrates to which a water-soluble polymer (polysaccharide) has been added. When these foam agents are applied to a water-soluble fuel, a polymeric membrane is formed between the foam and the fuel. When the foam agents are used on a conventional (water insoluble) hydrocarbon fuel, they function as an AFFF foam by forming an aqueous film at the fuel/air interface.

ANSUL®TE AFFF and AR-AFFF Concentrates can be an ideal fire suppression choice for operations involving the transportation, processing, or handling of flammable liquids. They require low energy to foam and can be effectively applied with aspirating and non-aspirating discharge devices. ANSUL®TE AFFF and AR-AFFF Concentrates have excellent wetting properties that can effectively combat Class A fires. They may also be used with dry chemical agents to provide even greater fire suppression performance.
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Specific Agents for Specific Conditions

ANSUL Fluoroprotein Foam Concentrate is intended for use on Class B hydrocarbon fuel fires such as crude oils, gasoline, diesel fuels and aviation fuels. It is not suitable for use on fuels having appreciable water-solubility (polar solvents).

Fluoroprotein foam demonstrates good burnback resistance, is useful for hydrocarbon vapor suppression, and has additional benefits such as faster fire knockdown and increased fuel tolerance over protein foam.

Applications for Class B Foam Agents

Airports
Diesel generator rooms
Hydrocarbon bulk storage and handling
Manufacturing plants
Municipal fire departments
Petrochemical facilities
Refineries
Operations involving the transportation, processing or handling of flammable liquids

The Ultimate Fire Suppression Solution

The ANSUL brand promises a full range of quality fire protection solutions – from automatic detection and suppression systems to a complete line of wheeled and hand portable fire extinguishers and more. Plus, our extensive network of Authorised ANSUL Distributors provides factory-trained professionals to serve our customers virtually anywhere in the world.

A Passion for Protection

Dedicated customer support. Extensive product portfolio. Engineering excellence. Trusted, proven brands. Johnson Controls offers all of these attributes, plus a passion for protection. It’s what drives us to create solutions to help safeguard what matters most – your valued people, property and business.

For additional information, please visit www.ansul.com or follow us @ansulfire on Twitter.