



**Municipal
Fluorine-Free Foam**
Product Guide



Product	Description	GreenScreen	Class A	Class B	Municipal Fire Dept.	Industrial	Fixed System	UL 162	ULC 162	UL Other	ICAO	LASTfire	General Aviation	Commercial Aviation	MilSpec	Hydrocarbon	Gasoline	15% Ethanol Gasoline	Polar	Structure	Wildland	USDA - USFS	Vapor	Fresh Water	Sea Water	NFPA 403	NFPA 11	NFPA 18
Universal^{F3} Green	3% x 3% Alcohol Resistant Synthetic	✓	✓	✓	✓	✓	✓	✓	✓			✓				✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	
Muni^{F3} Green Plus	3% Alcohol Resistant Synthetic	✓	✓	✓	✓			✓	✓							✓	✓	✓		✓	✓		✓	✓			✓	
Muni^{F3} Green	3% Synthetic	✓	✓	✓	✓			✓	✓							✓	✓			✓	✓		✓	✓			✓	
Avio^{F3} Green	3% Film Forming on Jet Fuel	✓		✓							✓		✓											✓		✓		
Hi-Expansion	2% Fresh and Sea Water		✓	✓	✓	✓	✓			✓			✓			✓				✓	✓			✓	✓		✓	
Responder	Class A Fresh, Brackish, Sea Water		✓		✓															✓	✓			✓				
Knockdown	Class A/B Fresh, Brackish, Sea Water		✓	✓	✓					✓										✓	✓	✓		✓				✓
Protein Foam	3% Fresh Water, Sea Water		✓	✓	✓			✓								✓				✓	✓		✓	✓				
Training Foam	3% x 6% For Training Purposes Only	For training purposes only. Not intended for actual firefighting use.																										

Ushering in Next Generation Foam Technology

GreenScreen Certified™ identifies products that are PFAS-free and avoids other chemicals of high concern. Look for the GreenScreen Certified logo when specifying Class B firefighting foam concentrates. Each ingredient, and potential key impurity, has been independently assessed against the EPA list of chemicals of concern and various human health and environmental end-points.



Fluorine free foam is defined as no intentionally added PFAS chemicals in the foam concentrate formulation.



Training and Technical Support

Municipal Training | Customized Industrial Training on location | Annual Industrial Foam School at TEEEX
 For more information contact: Rick Isaacks, Fire Readiness Manager, Rick.Isaacks@nationalfoam.com | (512) 549-9701

24 Red Alert Foam Service • Call 610-363-1400
 Contact us 24/7 for emergency foam concentrate replacement from our strategic stock locations across the United States of 3% x 3% Universal^{F3} Green.



Knockdown Class A

Environmentally acceptable Knockdown, is a unique formulation which is UL listed as a wetting agent at 0.3% for Class A and Class B fires. USDA (5100-307A) approved for aircraft, water scoopers, fixed buckets, helicopters and ground engines. Premix, when using potable water is stable for more than 30 days and is excellent for use with Compressed Air Foam Systems (CAFS).



Universal^{F3} Green 3%-3%

A superior quality 3% synthetic fluorine free foam concentrate UL/ULC and LASTfire listed for hydrocarbon and polar solvent in fresh and saltwater for fixed systems and fuel in depth fires. A patented formulation produces a vapor sealing blanket of foam that rapidly spreads over the surface to provide rapid command and control at the scene.



Muni^{F3} Green Plus 3%

A superior synthetic fluorine free foam specially designed for municipal firefighters attacking Class A and Class B fires. The UL/ULC listing for Muni^{F3} Green Plus 3% covers various blends of gasoline from unblended through E5, E10 and up to E15 fuel. A patented formulation produces a vapor sealing blanket of foam that rapidly spreads over the surface of the fuel to rapidly control and suppress.



Muni^{F3} Green 3%

A reliable synthetic fluorine free foam concentrate for municipal and rural firefighting of Class A and Class B hydrocarbon fires. Formulated for various spill fires of gasoline, diesel fuel, and aviation kerosene. Can also be used as a wetting agent in combating structural fires and fires containing wood, paper and tires.



Avio^{F3} Green KHC

A new breakthrough in the aviation industry. This 100% biodegradable product is the world's first film-forming fluorine free foam with ICAO Level C certification, which requires 40% less foam concentrate and water versus ICAO B. Avio^{F3} Green KHC is designed for extinguishing and securing flammable Jet A and Jet A1 aviation fuel. Designed for ARFF vehicles, oscillating monitors and handlines.



Nozzles

Engineered to precisely deliver foam wherever a water supply is available. Our trademark air aspirating design produces superior foam with various foam types, resulting in increased expansion and longer drainage times as compared to non-aspirating nozzles. Nozzles are available for use in fixed, portable, remote and handheld applications. Resistant to corrosion and extremely durable, these nozzles have it all — exceptional range, excellent foam quality and proven stream performance.



Mobile Foam Cart

Completely self-contained foam units developed to provide rapid deployment of foam to fires and chemical spills. Typical applications include boiler rooms, oil storage and loading terminals, paint or spirit stores, airfields, industrial sites, generator rooms and other high risk areas. They are easily maneuvered and operated by one person.



High Expansion Foam Units

Foam generators are designed to produce large capacities of high expansion foam for fast and effective flooding of inaccessible spaces (e.g., basements, mines, tunnels, cable ducts, warehouses) with minimal water consumption and subsequently minimal water damage. The units utilize forced air technology and are powered by water turbines driving aero foil fans, so that only a pressurized water supply is required for operation. Can also be used for rapid smoke extraction and positive pressure ventilation.



Foam Tote Trailers

Perfect for handling pails, drums and the ideal substitute for a foam tanker during a major incident, National Foam Tote Trailers are available in a variety of sizes and configurations. With a pre-piped trailer mounted monitor, these tote trailers can be placed into action immediately upon arrival without sacrificing speed, mobility or capacity.

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