

A close-up, high-action photograph of a fire hose nozzle. The nozzle is yellow with red and black stripes and is spraying a thick, white foam onto a large, intense fire. The fire is a mix of bright yellow and orange flames. The foam is captured in mid-air, creating a dynamic splash effect. The background is dark, making the fire and foam stand out.

Universal<sup>F3</sup> Green<sup>TM</sup>

Fluorine Free Foam (F3)

# Introducing Universal<sup>F3</sup> Green... the New Green S

## Alcohol Resistant Fluorine Free Foam (F3)

### The new state-of-the-art

Foam is the gold standard for fighting and suppressing high risk, flammable liquid fires and our Universal<sup>C6</sup> Gold is the state-of-the-art in C6 foam technology. Today, environmental, health and safety concerns have given rise to a need for a Fluorine Free Foam, particularly for use where the foam cannot be contained to prevent ground or water infiltration. Introducing **Universal<sup>F3</sup> Green™**, the new "green" standard in foam fire suppression.



**Universal<sup>F3</sup> Green™**  
*Alcohol Resistant Fluorine Free Foam*

### High performance with minimal environmental impact

Universal<sup>F3</sup> Green is a unique, patented foam with no added fluorine, fluorosurfactants, fluoropolymers, organohalogen, PFAS, PFOA and PFOS. When environmental impact is a primary concern, Universal<sup>F3</sup> Green is ideal. It is biodegradable and is especially suited for emergency incidents where the containment of fire water runoff cannot be guaranteed.



### Effective and efficient

Universal<sup>F3</sup> Green provides a vapor suppressing foam blanket on unignited hydrocarbon spills and polar solvents. It produces a vapor sealing blanket of foam that rapidly spreads over the surface of the fuel to efficiently control and extinguish the blaze. It is intended for use at 3% using standard foam proportioning equipment, and should be used with air aspirating discharge devices such as low expansion branch nozzles.



### Ideal for high risk situations

Universal<sup>F3</sup> Green is ideal for use wherever oil, gasoline, diesel fuel, or aviation fuel are stored, processed, transported or used. It can also be used on polar solvents such as alcohol, ketones, esters and ethers. Universal<sup>F3</sup> Green can also be used for combating Class A fires.





## Testing and Listing

Universal<sup>F3</sup> Green has been rigorously tested in a variety of situations. Consult with your National Foam representative for the latest information. Universal<sup>F3</sup> Green is listed by Underwriters Laboratories to UL162. Universal<sup>F3</sup> Green can be used with a wide range of devices in combination with:

- fresh water
- brackish water
- sea water



For complete details on all UL listings, visit the UL Online Directory.



## Get the Foam Facts

Question?	Universal <sup>C6</sup> Gold™ AR-AFFF (C6)	Universal <sup>F3</sup> Green™ AR-F3 (F3)
What are the different types of foam?	Fluorinated (or PFAS containing) foams use fluorosurfactants to enhance performance. National Foam's fluorinated products are based on C6 chemistry and follow the EPA's Product Stewardship Program 2010/15 and the SNUR.	Fluorine Free foams (F3) <b>do not use</b> any fluorosurfactants and so are called "Fluorine Free". These utilize a different chemistry which does not rely on any persistent ingredients for performance.
Can I change from one foam type to another?	<b>Yes</b> , tanks and pipework can be flushed if changing from brand 'A' to brand 'B' or from C8 to C6. NFPA11 states that different foam concentrates should not be mixed. This means that foam storage tanks and pipework must be thoroughly cleaned prior to new foam being added.	<b>Yes</b> , if you are thinking of changing to a Fluorine Free foam then ask National Foam for more information on how to flush and dispose of tank washings.
How do I dispose of the foam concentrate?	High-temperature incineration is the most responsible way of disposing of fluorinated foams. Flushing them down the drain is not an acceptable method of disposal. Always be sure to follow Local, State and Federal disposal regulations.	National Foam's F3 products do not contain any persistent ingredients, they are biodegradable. It is important that all Local, State and Federal disposal regulations are adhered to.
Will my discharge devices be compatible with the new foam?	<b>Yes</b> , but make sure you double check the listings and approvals. If moving from C8 to C6 and the listing and approvals have not changed, then the devices will still be approved. This can be checked at the UL Online Directory.	<b>Yes</b> , but as these products are gaining new listings and approvals on an on-going basis, make sure you consult with National Foam.

We're already there.™

# Universal Green™

*Alcohol Resistant Fluorine Free Foam*



350 East Union Street, West Chester, PA 19382  
Office: 610-363-1400 • Fax: 610-431-7084  
Email: [info@nationalfoam.com](mailto:info@nationalfoam.com) • Web: [www.nationalfoam.com](http://www.nationalfoam.com)

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