
Fire & Safety Industries

Global Fire Solutions

Fluorine Free (F3) Foam

With the recent introduction of new legislation surrounding the use of firefighting foams containing fluorinated AFFF chemicals, Fire and Safety Industries have successfully developed an effective Fluorine Free (F3) Foam which is ActivFire certified to AS5062:2016 standards and is suitable for use in our Foam-Guard Fire Suppression System.

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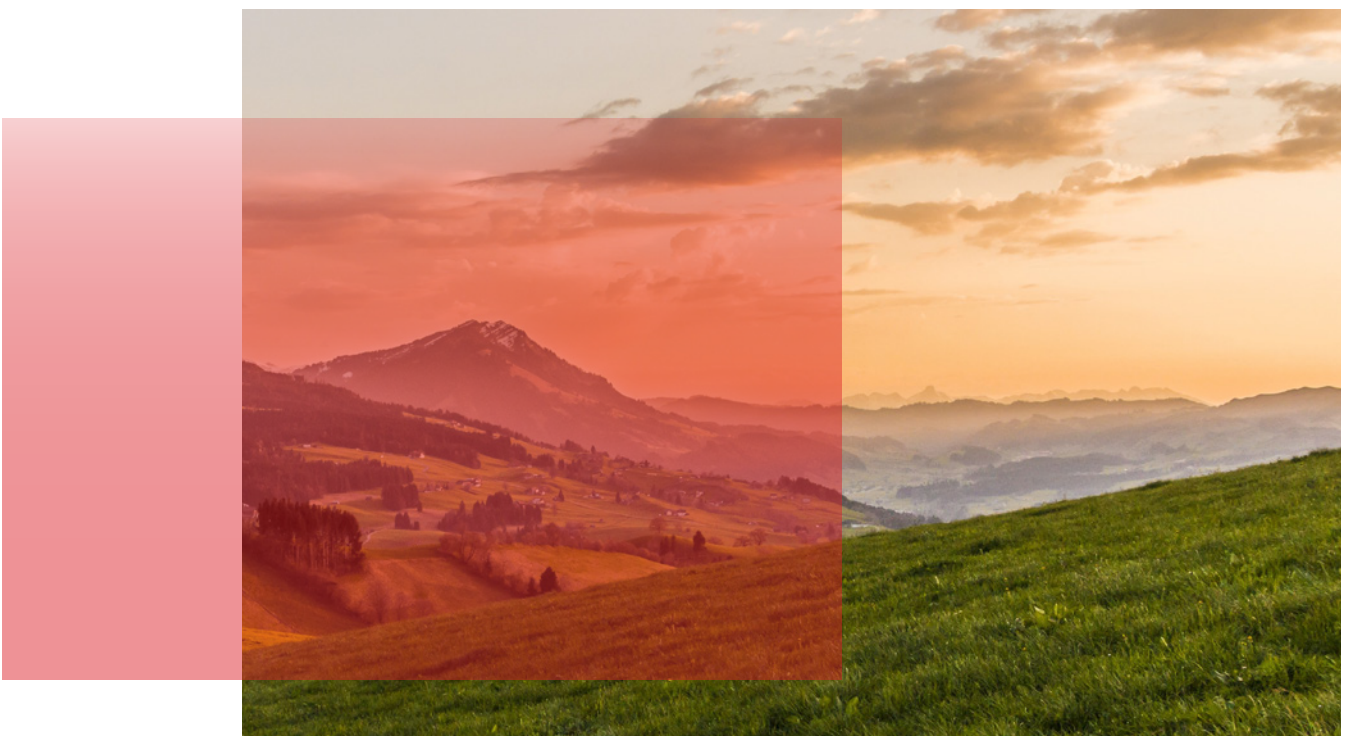
Fluorine Free (F3) Foam Legislation Update

In July 2016, the Queensland Department of Environment & Heritage Protection introduced a strict policy to ban the use of firefighting foams containing fluorinated AFFF chemicals (including PFOS and PFOA) and replace them with a Fluorine Free alternative.

The QLD legislation was introduced after an extensive review found an increasing number of contamination sites being identified in Australia and overseas from the historic and current use of firefighting foams containing fluorinated chemicals which are today recognised as a significant threat to human health and the environment.

The policy states that foam users must phase out and cease the use of all C8 AFFF products by July 2019, three years after the policy was introduced. This covers any application where firefighting foams are used including vehicle systems, foam extinguishers and bulk foam applications.

South Australia have since introduced similar legislation that further bans the use of C6 foams. All other states and territories are currently reviewing their position on the use of PFOS and PFOA products.





FSI Fluorine Free (F3) Legislative Compliance

In anticipation of the release of the new legislation, FSI took a proactive approach and in

- January 2016 commenced development of an effective fluorine free alternative for use in our Pre-Engineered Foam-Guard Fire Suppression System.
- November 2016, FSI's Fluorine Free (F3) Foam underwent stringent performance testing with CSIRO satisfying all requirements of the fire testing procedures (including a fire witness test and foam separation testing) to achieve AS5062:2016 standards.
- November 2016 FSI commenced phasing out AFFF systems with FSI F3 foam installations exclusively for mobile suppression systems per AS5062:2006.
- May 2017, FSI's Fluorine Free (F3) Foam was awarded AS5062:2016 Certification and listing through CSIRO's ActivFire® Scheme

- June 2017 FSI began upgrading all existing Foam-Guard AFFF Fire Suppression systems to F3.

FSI's conversion process presents minimal disruption to production and downtime on machinery and is incorporated within our client's routine maintenance schedules.

FSI has significant F3 spare parts holdings available in existing Brisbane, Moranbah and Blackwater warehouses.

FSI's qualified technicians can also undertake F3 conversions of other manufacturer's vehicle systems which have been ActivFire approved and where training has been accredited and in compliance with the Queensland legislation for the collection and disposal procedures of existing AFFF stocks.

FSI can assist customers with the necessary high temperature incineration that must be conducted through an authorised regulated waste disposal facility.

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1800 374 374

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CONTACT

Brisbane (Head Office)

2 Devlan Street, Mansfield QLD 4122, Australia

Mackay

6/16 Transport Avenue, Paget QLD 4740, Australia

Moranbah

83 Belyando Avenue, Moranbah QLD 4744, Australia

Blackwater

11 Mulga Street, Blackwater QLD 4717, Australia

Emerald

6 Retro Street, Emerald QLD 4720, Australia

Singleton

8 Longworth Close, Singleton NSW 2330, Australia

Phone: 1800 374 374

E-mail: sales@fireandsafety.com.au

www.fireandsafety.com.au

David Hardman

Mobile: +61 (0) 417 613 833

Email: david@fireandsafety.com.au

Jason Hutton

Mobile: +61 (0) 488 661 889

Email: jason@fireandsafety.com.au

Clint Redman

Mobile: +61 (0) 408 198 821

Email: clint@fireandsafety.com.au

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