

## **No. 16 3M Ford Fusion Features Sustainable Fire Suppression Fluid**

3M Novec 1230 Fire Protection Fluid Becomes New Standard for No. 16

With the 2013 season now underway, NASCAR® driver Greg Biffle will once again be racing with the environmentally sustainable, 3M™ Novec™ 1230 Fire Protection Fluid as a new standard in the No. 16 3M Ford Fusion. Novec 1230 fluid balances performance requirements with favorable environmental and safety properties, giving Biffle added reassurance and peace of mind.

On March 3 at the Phoenix raceway, the car will showcase the Novec brand name on the hood. Additionally, the No. 16 3M Ford Fusion will feature a system using Novec 1230 fluid throughout the entire 2013 racing season. Biffle's car had previously been upgraded with Novec 1230 fluid through Roush Fenway Racing, who jumped on board early in 2012 to help protect Biffle, as well as the environment.

The No. 16 3M Ford Fusion is the first racecar that incorporates a sustainable fire suppression fluid. Metalcraft, Inc., an international leader in fire suppression, equipped the cockpit of the No. 16 3M Ford Fusion with its Fire-Trak™ branded fire suppression system using Novec 1230 fluid. The Fire-Trak system and 3M's Novec 1230 fluid received NASCAR approval in 2012.

3M researchers developed Novec brand products to be a safe, sustainable chemistry used to replace ozone-depleting substances being phased out under the Montreal Protocol, potent greenhouse gas such as HFCs and agents that have undesirable toxicity. Novec 1230 fluid has an exceptional environmental profile with zero ozone depletion potential and a global warming potential of one. It stays in the atmosphere only five days, compared to HFC-236fa that lingers for 240 years.

"Novec 1230 fluid is environmentally sustainable now and into the foreseeable future, unlike HFCs that are targeted for phase-down by international treaties and the European Union," said Joe Ziembra, marketing manager at 3M. "We're proud that the No. 16 3M Ford Fusion is putting 3M technology to work to help it keep racing toward a bright future."

Novec 1230 fluid is a clean extinguishing agent that is stored as a liquid but is discharged as a gas that leaves no residue. The fluid does not damage sensitive electronics or equipment in the racecar and provides a wide margin of safety if deployed in an enclosed area near Biffle. It also does not affect the surface of the racetrack, keeping it clean for other drivers. Novec 1230 fluid comes with 3M's Blue Sky<sup>SM</sup> Warranty, offering peace-of-mind protection against future regulatory bans or restrictions. And when used in commercial buildings, it offers an opportunity to earn innovation credits toward Leadership in Energy and Environmental Design (LEED) certification.

Other notable applications of 3M Novec 1230 fluid include use in helping to protect high-value assets such as data centers, aviation equipment, marine vessels, museum artifacts, library documents, and financial, health care, power generation and oil/gas petrochemical facilities, as well as computers and other critical devices where water cannot be used. Additionally, Novec 1230 fluid has found its way into the archives at the Daughters of the Republic of Texas [Library at the Alamo](#).

For more information regarding 3M Novec 1230 fluid use in racing applications visit [www.3M.com/novecracing](http://www.3M.com/novecracing) or for other Novec branded products log onto [www.3M.com/Novec](http://www.3M.com/Novec). Also visit us on Facebook at [www.facebook.com/#!/3MNov1230fluid](https://www.facebook.com/#!/3MNov1230fluid). For more information about 3M's sustainability

initiatives visit [www.3M.com/sustainability](http://www.3M.com/sustainability).

#### About 3M

3M captures the spark of new ideas and transforms them into thousands of ingenious products. Our culture of creative collaboration inspires a never-ending stream of powerful technologies that make life better. 3M is the innovation company that never stops inventing. With \$30 billion in sales, 3M employs about 88,000 people worldwide and has operations in more than 70 countries. For more information, visit [www.3M.com](http://www.3M.com) or follow [@3MNews](https://twitter.com/3MNews) on Twitter.

#### About Fire-Trak™

Metalcraft, Inc. is an innovative manufacturer of fire suppression & detection systems with operations in the USA and Europe including an extensive sales and distribution network throughout the world. A distinguished recipient of the President's Export Excellence Award, Metalcraft's product range include defense, marine and auto racing. For more information on our 3M™ Novec™ 1230 Fire Protection Fluid based marine fire suppression systems, visit [www.sea-fire.com](http://www.sea-fire.com) and visit [www.fire-trak.com](http://www.fire-trak.com) for information on auto racing fire systems using 3M Novec 1230 fluid.

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