

FOGMAKER

INTERNATIONAL AB

Eco1

PFAS-FREE for the Future



Pure Performance with Triple Action

Fogmaker prioritizes sustainability

Sustainability is about looking at the complete picture: economy, environment, and social welfare. It is about meeting the needs of the present without compromising the ability of the future.

At Fogmaker, we base our operations on our core values: expertise, integrity, and commitment, and we work with life cycle analyses to visualize the complete carbon dioxide footprint from both manufacturing and transports.

We strive to phase out all uses of potentially harmful substances and materials, and developing a new and PFAS-free suppression liquid has been a natural next step in the process.

Our new liquid, Eco 1, is GreenScreen Certified™ at the silver level. This means a third party has approved all substances in the liquid from both a health and an environmental aspect.



Safety shouldn't be a Compromise

UNIQUE SUPPRESSANT R107 APPROVED

Fogmaker's Eco 1 is a unique fire suppressant that handles all three sides of the fire triangle: heat, oxygen, and fuel - and is 100% free from PFAS. It contains environmentally friendly tensides to prevent re-ignition.

High-pressure water mist is a tried and true fire suppression technique that works in engine compartments and other enclosed spaces. 1 liter of mist expands to 1700 liters of fog, displacing oxygen and cooling the area.

Comparison of Liquids

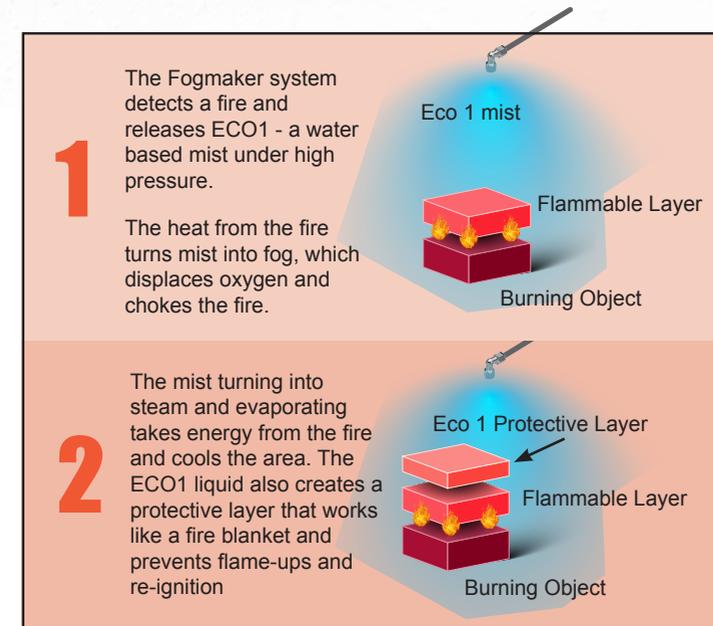
	Fogmaker Original	Eco1	Water
Temperature range (C) -35/+65	✓	✓	✗
Re-ignition protection	✓	✓	✗
Cooling effect	✓	✓	✓
Suppresses flame-ups/radicals	✓	✓	✗
Fluorine free	✗	✓	✓
Developed according to Fogmaker's routines and testing procedures	✓	✓	✗

Fogmaker has developed and verified Eco 1 for a long time, and it has excellent fire suppression properties. This can be seen in the R107 certification where the volume is the same as with Fogmaker Original.

Fogmaker's original suppressant contains small amounts of PFAS and will remain on the market for a transition period, but the goal is that all new systems installed will use Eco 1.

Eco 1 was also the first PFAS-free liquid to be approved for SBF 127.

After December 31, 2013, all SBF-based systems will be installed with Eco 1.



ACTIVE 24/7

The system is always ready. No power supply needed for activation or system monitoring.



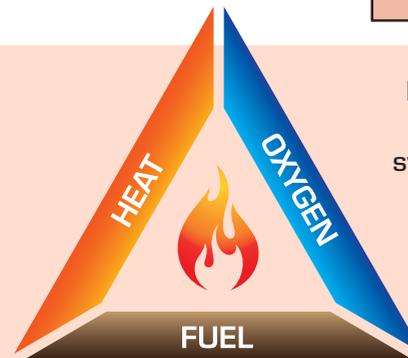
MINIMAL DOWNTIME AND LOW TCO

Quick and easy maintenance and quick recharging.



SIMPLICITY

The system works without electricity and regardless of orientation.



Fogmaker's fire suppression system handles all three sides of the fire triangle: heat, oxygen, and fuel. The system deploys when the protected area becomes too hot, and sprays a water-based mist that expands and chokes the fire. The mist also cools the area for a long time - at least double compared to other certified systems* - which prevents reignition.

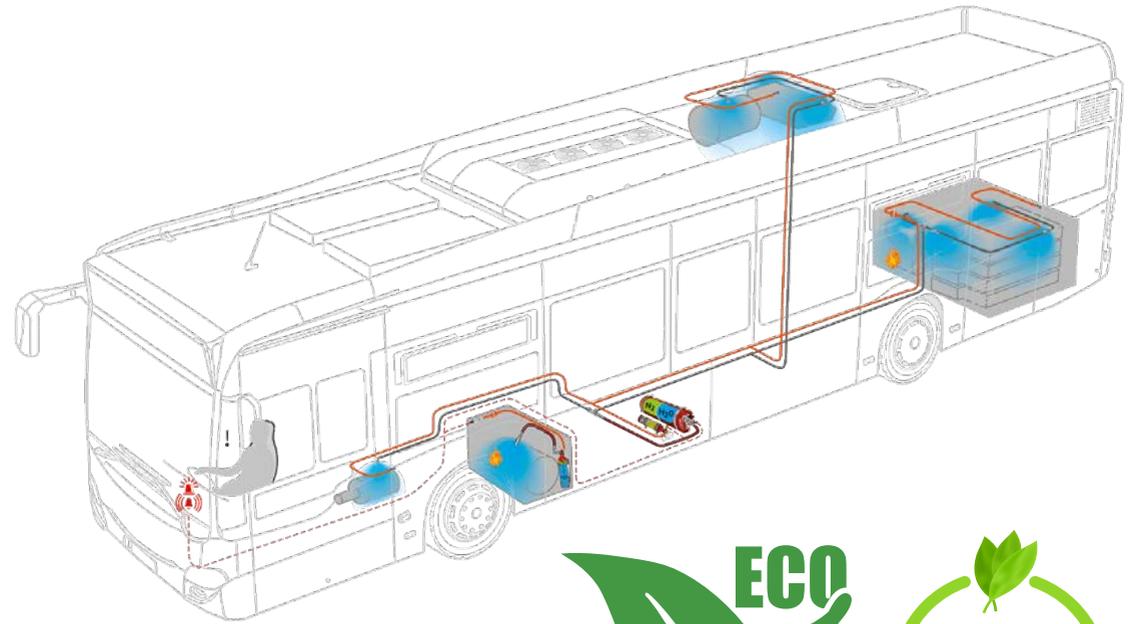
*Result of the SP4912 testing method

What is PFAS?

PFAS, also known as high fluorine substances, are a group of chemicals that repel fats, dirt, and water. There are thousands of PFAS chemicals on the market, used in everything from frying pans to beauty products - and fire suppression products.

PFAS chemicals are stable chemical compounds that remain in nature for a long time, and many PFAS compounds break down very slowly or not at all. These chemicals can also be bioaccumulating, which means they build up in animals and people.

Fogmaker's original liquid contains low amounts of PFAS, and we have developed a new suppressant that is 100% PFAS free: Eco 1. The transition ensures that we can provide reliable fire suppression *and* protect health and environment.



For electric vehicles...

...with an IP classification of 66 or higher. Water mist does not conduct electricity and can be used in electric vehicles. The mist does not penetrate components with an IP classification of IP 66 or above.

Fogmaker's system can't extinguish a fire that starts in a battery, but will cover risk areas where fires often begin and can prevent a fire from spreading to the battery. If the battery still catches fire, Fogmaker cools and controls the blaze to gain time for evacuating the vehicle.

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The Fogmaker system has a large number of international certifications, and our suppressant Eco 1 is 100% PFAS free and Greenscreen Certified™ at the silver level.



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