

# FOGMAKER

N O R D I C



**PFAS-free for  
the future!**

# 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 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 health and environmental aspects.



# 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. Many PFAS components 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.



## PFAS-free for the future!

# Unique suppressant

**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.

Fogmaker has developed and verified Eco 1 for a long time. Eco 1 has excellent fire suppression properties, which can be seen in the SBF 127:17 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. All systems installed according to SBF127 will use Eco 1 from January 1, 2024.

## Comparison of Liquids

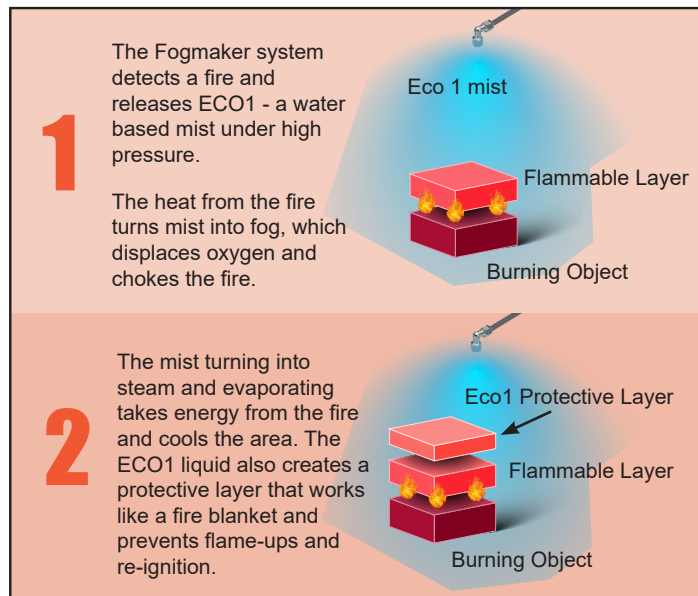
	Fogmaker Original	Eco1	Water
Temperature range (C) -35/+65	✓	✓	✗
Re-ignition protection	✓	✓	✗
Cooling effect	✓	✓	✓
Suppresses flame-ups/radicals	✓	✓	✗
Fluorine free	✗	✓	✓
Developed according to Fogmaker's routines and testing procedures	✓	✓	✗

# For electric vehicles...

...with an IP classification of 66 or higher. Water mist doesn't 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.

## How Eco 1 works



# The first PFAS-free liquid approved for SBF127

Fogmaker has passed fire suppression tests according to SBF127:17 with our new 100% PFAS free liquid, Eco 1. After December 31, 2023, SBF 127:17 will be the only approved standard as the old SBF 127:16 will be invalid.



Systems constructed according to an older standard do not need to be rebuilt. Starting January 1, 2024, all our systems installed according to SBF127 will be using Eco 1.

# FOGMAKER

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