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## New Power for Global Wildfire Fighting: Caylym's Guardian™ System & PPO® ForExt

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### A Game-Changing Forest Firefighting Collaboration

**PPO-Elektroniikka Oy**, a Finnish safety technology company, has started collaborating with Caylym Technologies International LLC, a U.S. operator of aerial firefighting. The combined solution provides a new, highly effective method for combating wildfires worldwide.

#### The PPO® ForExt Firefighting Agent

Developed by PPO-Elektroniikka and manufactured by Kiihto, **PPO® ForExt** is a fluorine- and halogen-free forest fire extinguishing agent. It mixes with water at a **1:100 ratio** and is first applied to the fire's edges, preventing it from spreading above and below ground. It can then be used for direct extinguishing.

The ForExt/water mixture can be spread from any existing firefighting equipment, such as helicopters, aeroplanes, fire trucks or special equipment designed for forest fires; it works excellently without clogging water cannons, shower pipes, pumps, even the tiniest ones because its velocity such as water.

According to chemical legislation (CLP Regulation No. 1272/2008 EC), ForExt is not hazardous to humans or the environment. According to the Product Safety Assessment, ForExt is not classified as hazardous in any hazard category under the Globally Harmonized System (GHS).

#### Caylym's Guardian™ System

Caylym's **Guardian™ System** converts standard cargo planes into **firefighting aircraft**. The system drops **1,000-liter biodegradable containers** of firefighting liquid from high altitudes, ensuring safe and efficient aerial fire suppression. The **controlled release** creates a "rain event" effect, optimizing liquid distribution for maximum impact.

#### Caylym's Guardian™ System & PPO® ForExt – A Powerful Combination

By combining **Guardian™ with ForExt**, the efficiency of aerial firefighting is significantly improved:

- ✔ **Increased water efficiency** – ForExt penetrates deeper and keeps treated areas moist longer
- ✔ **Expanded air support** – Cargo planes can be quickly repurposed, increasing response capacity
- ✔ **Greater firefighter safety** – High-altitude drops reduce risk to pilots and crews

This innovative approach enhances **fire suppression capabilities globally**, saving lives, property, and natural resources.

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Learn more about PPO® ForExt and Caylym's Guardian™ System on the websites:

[www.ppofoforext.com](http://www.ppofoforext.com) / [www.caylym.com](http://www.caylym.com)

**For more information about PPO® ForExt :**

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*Aerial fire fighting with Caylym: The Guardian™ system in action*



*Caylym's biodegradable 1000-litre containers are safely dropped from higher altitudes than usual in airdrops.*