

STATEMENT

Product Safety Assessment

Product: PPO® ForExt

Manufacturer: PPO-Elektroniikka Oy

Use: Forest Fire Extinguishing Agent

Normal use: Mixing ratio 1 % (2–5% in demanding conditions); Dosage ≥ 0.5 liter/m²

Scope: Safety with respect to the environment and to human health is assessed

Assessment outcome

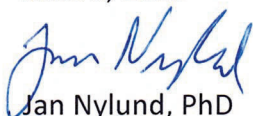
The components of which the product PPO® ForExt is composed are well known substances in use in many different applications and industries. PPO® ForExt is classified under the Globally Harmonized System (GHS) as not-hazardous.

In forest fertilization, urea is the most common nitrogen source used. The nitrogen dose distributed in the forest is usually in the range 100-200 kg/hectare. According to the SDS, the PPO® ForExt urea content is 5 % or less. Taking the worst case scenario and assuming a 5 % urea content in the product, diluted to 5 % use solution (5 % for the most demanding conditions) and using a dosage of 1 liter/m², indicate that not more than approximately 5.8 kg nitrogen is spread per hectare in the forest upon use of PPO® ForExt . This is at most 2.8 – 5.8 % of the amount usually added in a fertilization process. Therefore it is concluded that the contribution of PPO® ForExt to fertilization or eutrophication of the forest is negligible. On the contrary use of PPO® ForExt will most probably enhance the recovery of the fire devastated area.

Based on the compiled toxicity data of the raw materials and on information provided by the manufacturer there are no particular concern for human health nor environment regarding recommended use of the product for the purpose assessed.

The product is concluded to be safe for use under normal and reasonably foreseeable conditions of use.

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