

Market Feasibility Study on Effective Soap-Based Fire-Extinguishing Agent in Forest Resources Protection with Low Environmental Impacts

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In Southeast Asia, peat fires and forest fires occur frequently. This has become a major international issue due to the environmental impacts from CO2 emissions, economic impacts, such as suspended flight services, and smoke damage to neighboring countries. In this project, a study was carried out on the marketability of a soap-based, fire-extinguishing agent in Indonesia that has very little impact on the environment and that is effective in putting out forest fires and can be diffused into the natural environment. The project also conducted a study on distributors and the development of sales channels.

Soap-based fire-extinguishing agent



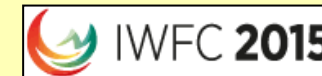
Product Advantage

	Soap-based fire-extinguishing agent	PhosChek (Made in US)
Firefighting capability	Same	Same
Metallic corrosion	None (SUS, in particular)	High
Environmental Impacts	Aquatic organisms (LD50 of green paramecium)	1500-1800 ppm (About 100 times more safe than PhosChek)
	Biodegradability (State after 4, 2009)	No residue (100% degradation)
	Environmental impacts (7 months after spraying)	Approximately the same number of organisms growing

Project Details

Exhibit at WILDFIRE2015

- ① Preparatory interview survey
- ② Survey on candidate distributors
- ③ Study on scale of market in Indonesia



Field survey in Indonesia

- ① Survey on sales in Indonesia
- ② Survey on scale of market in Indonesia

