



STRONG WATER **AEROTAK**

Technical Data Sheet

Strong Water AeroTak is a Prop 65 Compliant, biodegradable, non-toxic, and environmentally friendly water enhancer designed for efficient fire suppression. It provides enhanced performance with sag-resistant properties that cling to surfaces and wrap vegetation for maximum fire-smothering efficiency. Whether used in aviation or ground-based applications, it is compatible with standard equipment and quickly mixes with water for rapid deployment, ensuring safety and effectiveness in every situation

Physical Properties

Specific Gravity @ 25°C	1.05
Appearance	Milky Liquid
Viscosity of Concentrate	2500-3500 mPas
Viscosity of Mixture	100,000 – 300,000 mPas

Main Features:

Simple to Use – The concentrate is easily mixed with water, and it disperses into water within seconds. High-pressure mixing allows for low viscosity, making pump systems a great option for large-volume output.

Easy to Dispense – Unlike other water enhancers, the mixture can be applied via all standard nozzle configurations if used for

ground support or quickly dropped from varying payload sizes in the air.

Flexibility – The sag-resistant formula clings to vertical surfaces and wraps vegetation, providing superior fire-smothering performance in the most challenging environments.

Application:

Premix – Ideally, prepare the concentrate by mixing or agitating with a high-speed mixer, especially if there is thin film separation. After a few moments, you should notice the material is milky white.

Mixing – Mix the material w/w for about 1.25-1.5% concentrate to water. The mixture should thicken to a paste-like material after a short interval. Mixing times may vary depending on conditions and concentrate added.

Application – Apply generously to the targeted area with a high-pressure spray system. The material will thin out, allowing it to be sprayed, similarly to water. Once the mixture is applied, you will notice a gelling effect take place. All Proportioners systems that apply high shear can implement the product. Aerial applications include open-topped containers like Bambi buckets, fixed-wing airtankers, and tanked helicopters.

Clean-up – Simply use water to remove from the applied location, along with manual removal. For cleaning lines or hoses, a solvent such as isopropanol will reduce cleanup time. Make sure to recycle any solvents used during the purging process. There should not be any gumming in the lines after use.

Shelf Life and Storage:

Shelf life is six years from the date of shipment while kept in a dry, well-ventilated area, between 41°F – 86°F (5°C – 30°C) and unopened.

Packaging:

5-Gallon Pails

55-Gallon Drums

275-Gallon Totes

Health & Safety:

While this material is non-toxic, non-carcinogenic, and Prop-65 free, please review the SDS for additional information regarding Health and Safety.

In Case of Questions or Emergencies: Contact our support team at **800-880-5022** or visit <https://strongwatertech.com>.

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