

**Guide
To:**

Skywriter Smoke Pump Fluid

Sullivan Products recommends the use of commercially available smoke fluids. These formulas will not harm your paint or covering film and will produce the thickest and long lasting clouds of white smoke.

Commercially Available Smoke Fluids

- 1) MDW Super Dri Aviation Smoke Oil: (Aliphatic Hydrocarbon) is a superior, professional smoke fluid, which provides intense smoke and high persistence. Crystal clear and non-volatile, it is easy to handle and will not attack foam. Super Dri is available through your local hobby shop or mail order shop in the USA. You can buy in a one gallon or four gallon case. See <http://www.mdw-aviation.com/>
- 2) B&B Bennett's Best Smoke Fluid: available through B&B Specialties in the USA, this fluid will produce thick clouds of smoke. See <http://www.bennettbuilt.com>
- 3) 3W Super Smoke Fluid: contact your 3W distributor for availability, pricing and shipping information. See <http://www.3w-modellmotoren.com/>

Home Brews Smoke Fluids

The following mixes have come from our customers and research. Sullivan Products will not assume any risks involved in the development or use of any the formulas. Have a fire extinguisher nearby for safety.

- 1) 100% Paraffin Oil (also known as mineral oil, baby oil, adepsine oil, saxol, etc) is a mixture of heavy alkanes. Mineral oil is a substance of relatively low value, and it is produced in very large quantities. Mineral oil is available in light and heavy grades, and can often be found in drug stores, hardware stores, local oil supply store, food supply stores, etc. Major petroleum companies have their own brand names for mineral oil. Examples:
<http://www.steoil.com/catalog.asp?productgroup=200fg>
http://www.chemistrystore.com/mineral_oil.htm



2) 50% Diesel & 50% Concrete Form Release Oil: Concrete Form Release Oil is obtained from the construction industry, industrial equipment and major petroleum companies such as Sunoco, Chevron, and Exxon. (Example: Texaco Canopus 13, Exxon Unuis 15, and Sunoco 22). They are available in five-gallon pails and drums. Diesel will make your smoke grayish, and harm the color of the covering on the fuselage bottom.

3) 50% Kerosene & 50% Diesel: Kerosene is widely used to power jet-engined aircraft, but is also commonly used as a heating fuel. You can buy Kerosene from your local home improvement store (Home Depot, Lowes, etc) gas stations or home and garden stores.

4) Other Fluids:

1) Lamp Oil: Lamp oil is a liquid petroleum product that is designed to burn cleanly in brass and glass oil lamps, torches and lanterns. In the same family as kerosene, lamp oil has been further processed and refined so that it doesn't produce as much harmful smoke, soot and other pollutants. You can find "ultrapure" or "ultraclean" lamp oil at most home improvement stores, outdoor suppliers and camping stores. Lamp Light Farms Ultra Pure seems to be very popular and they are available in different scents. You can mix this oil with any of the other fluids to find the best combination.

2) Diethylene Glycol Butyl Ether (Butyl Carbitol): It is primarily used as a solvent in coatings, inks, cleaners and specialty fluids, or to produce diethylene glycol butyl acetate. Used in basic household cleaners. Available in home improvement stores and paint centers.

3) Automatic Transmission Fluid: available from your local auto parts store. Can be harmful to paints and covering film.

Note: You can mix any of the liquids to find the best formula. Example: 50% Kerosene & 50% Diesel, 20% Butyl Carbitol & 80% Diesel, etc.

For more information call us at 410-732-3500 or email us at tech@sullivanproducts.com and we would be glad to help you.

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