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JET A-1 Specifications

Jet Fuel is a type of aviation fuel designed for use in jet-engined aircraft.

The most common fuel is an unleaded/paraffin oil-based fuel classified as *JET A-1*, which is produced to an internationally standardized set of specifications. In the United States only, a version of JET A-1 known as *JET A* is also used.

The only other jet fuel that is commonly used in civilian aviation is called *JET B*. JET B is a fuel in the naphtha-kerosene region that is used for its enhanced cold-weather performance. However, JET B's lighter composition makes it more dangerous to handle, and it is thus restricted only to areas where its cold-weather characteristics are absolutely necessary.

JET A-1	
Flash point	38°C
Auto-ignition temperature	210°C
Freezing point	-47°C (-40°C for JET A)
Open air burning temperatures	260-315°C (500-599°F)
Maximum burning temperature	980°C (1796 °F)
Density at 15 °C (60 °F)	0.775-0.840 kg/L