



Jet A1 Fuel

Jet A-1 is a kerosine grade of fuel suitable for most turbine engine aircraft. It has a flash point minimum of 38C (100F) and a freeze point maximum of -47C. It is widely available outside the USA. The main specifications for Jet A-1 grade (see below) are the UK specification DEF STAN 91-91 (Jet A-1), Nato code F-35, (formerly DERD 2494), and the ASTM specification D1655 (Jet A-1).

The basic civil jet fuel specification used in the UnSA is ASTM Specification for Aviation Turbine Fuels D 1655, which defines the requirements for three grades of fuel:

- Jet A, a kerosine type fuel having a maximum freeze point of -40 C.
- Jet A-1, a kerosine type fuel, identical with Jet A but with a maximum freeze point of -47C.
- Jet B, a wide-cut type fuel.

Jet A is used within the United States by domestic and international airlines. Jet A and A-1 have specifications that can be used in fuel anywhere in the world. Jet B is used in cold weather conditions. Jet fuel is typically made up of a number of different mixtures, which are related to flash points and how the carbon numbers are distributed.

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