



Fuels Technical Data Sheet

AeroJet

Product Description

Shell AeroJet is a new, premium aviation fuel service, offering major benefits to pilots, operators and owners of turbine-powered aircraft. The service is available at selected airports and countries worldwide. Shell AeroJet comprises Jet A-1 pre-dosed with FSII (Fuel System Icing Inhibitor); it minimises or eliminates problems previously associated with the use of straight Jet A-1 in business jets, turbo-prop aircraft and helicopters, and meets the mandatory requirement for some aircraft to use fuel dosed with FSII.

Product Application

AeroJet can be used in aircraft gas turbine engines and auxiliary power units (APUs), for which the engine and airframe manufacturers have approved this grade of fuel.

Features/Benefits

The practice of using aerosol cans to mix anti-icing additive while overwing refuelling often results in an uneven mix and incorrect additive concentration as well as posing health hazards to the user from possible contact with the neat additive. The major advantage of Shell AeroJet over this and other systems is the assurance that the fuel has been dosed with FSII at exactly the correct rate every time without any exposure to harmful vapours or liquid splashes (which can also damage aircraft paintwork).

Care & Handling

Before handling refer to the Material Safety Data Sheet. This product is only to be used in accordance with equipment manufacturers' recommendations.

Health & Safety Information

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet are followed.

Typical Properties

Property		Max Value	Min Value
Density @ 15°C	kg/m ³	840.0	775.0
Flash Point	°C		38
Freezing Point	°C	-47	
Distillation end point	°C	300	
FSII content	%vol	0.15	0.10



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The Jet A-1 specification contains many more parameters, several of which are specific to jet fuel, e.g. thermal oxidative stability. Regarding fuel additives, only those specifically approved by the aircraft and engine manufacturers are permitted. For full details refer to the specification.

Specifications

The main international specifications for this grade are:
Aviation Fuel Quality Requirements for Jointly Operated Systems (AFQRJOS) Joint Fuelling System Check List
ASTM D 1655 (Grade Jet A-1)
DEF STAN 91-91

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