



PRODUCT DATA SHEET

SafeTemp® ES Plus AMS 1424/1, Type I Deicing/Anti-Icing Fluid, Aircraft

PHYSICAL PROPERTIES	METHOD	REQUIREMENT	TYPICAL
Appearance	VISUAL	Orange	Orange
Specific Gravity, 15.6/15.6°C	ASTM D 4052	1.044 +/- 0.015	1.045
pH Value	ASTM E 70	7.75 +/- 0.5	8.15
Flash Point, °C	ASTM D 93	>100	>100
Fluid Stability		Conforms to 3.3	Pass
Refractive Index, 20°C	ASTM D 1747	1.4245 +/- 0.0015	1.4240
Effect on Aircraft Materials		Conforms to 3.4	Pass

AIRCRAFT MATERIAL COMPATIBILITY	Conforms to AMS 1424
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AQUATIC TOXICITY	Conforms to AMS 1424
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PERFORMANCE PROPERTIES (AMIL)

Water Spray Endurance Test	(AMS 1424)	Conforms
High Humidity Endurance Test	(AMS 1424)	Conforms
Foam Stability	(AMS 1424)	Conforms

AERODYNAMIC PERFORMANCES & LOU (AMIL)

	65/35	50/50
LOW TAKE-OFF ROTATION SPEED	-25 °C (-13 °F)	-19 °C (-2 °F)
LARGE TRANSPORT TYPE JET	-31 °C (-24°F)	-20.5 °C (-5°F)
FREEZING POINT	-43 °C (-25°F)	-24 °C (-11 °F)

* The LOU for an SAE Type I fluid is the lowest temperature at which the fluid has been tested and certified in accordance with the appropriate aerodynamic acceptance tests (3.5.3) while maintaining the 18 °F (10 °C) freezing point buffer (refer to AS6285).

The data presented is for informational purposes only and shall not constitute a guarantee for any specific product features.