

ALPINE[®]

RF-14F

Alpine RF-14F[®], a 50% w/w potassium formate based solution, is an advanced, environmentally friendly liquid runway de-icing product, which meets FAA requirements of the latest edition **SAE AMS1435E** specifications.

Potassium formate 50% w/w has the lowest environmental impact among all practically available runway de-icing products. Formates have been used in Europe for decades to reduce the environmental impact and loading on wastewater treatment facilities.

TYPICAL PROPERTIES

Active Ingredients	50% Potassium formate based solution, by weight plus corrosion inhibitors
pH, as is	9.5–10.5
Specific Gravity @ 68°F (20°C)	1.33–1.35
Density, lbs/gal @ 68°F (20°C)	11.05–11.25
Appearance	Clear or blue liquid
Odor	Characteristic slight formate
Water Miscibility	Complete
Freezing Point	-63°F (-53°C)
Effective to	-25°F (-32°C)
BOD (5 day), g O ₂ /g of fluid @ 68°F (20°C)	0.02
COD g O ₂ /g of fluid @ 68°F (20°C)	0.10
Flash Point	Non-flammable, no flash at 212°F (100°C)

Temperature °C	Viscosity cPs (centipoise)
20	3.12
10	3.84
0	5.04
-10	6.24
-20	7.68



**INFORMATIONAL ONLY

THE
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