



COREICEPHOB TYPE-I

Certified SAE AMS 1424

Type-I Aircraft De-icing Fluids

COREICEPHOB TYPE-I

Coreicephob Type-I is designed as a “**Propylene Glycol**” based de-icing solution with a low foaming performance. Coreicephob Type-I contains high performance inhibitors to prevent any corrosion on aircraft metarial surface.

PRODUCT FEATURES

- Product conform Aerodynamic and Climatic acceptance of **AMS 1424R** and certified by **AMIL**.
- Product qualified by **SMI Inc.** on corrosion and environmental parameters.
- Product conforms material evaluation of “**BOEING BSS 7432**” standards and certified by **SMI Inc.**
- **Coreicephob Type-I** has low surfactant and triazole-free formulation gives lower **COD** and **BOD** values.

PRODUCT PROPERTIES

Density (20°C)	1.03 - 1.07 g/cm ²
Brookfield Viscosity (UL Adapter-12 rpm-20°C)	20-25 mPa.s
Refractive Index (20 °C)	1.399 - 1.422
Surface Tension	37-45 dynes/cm
Appearance	orange clear liquid
pH (as is)	8.0 - 9.5
COD	1.31 kg O ₂ /kg
BODs	0.45 kg O ₂ /kg
Freezing Point (diluted 1: 1 with water)	< -27.7 °C
LOUT (71:29)	-32.5 °C
Chemical Composition	80% aqueous propylene glycol solution with corrosion inhibitors

Dilution Coreicephob Type-I Concentrate: Water	Refractive Index (+20°C)	Freezing point
100:00	1.4155	
71:29	1.3940	-47.8 °C
70:30	1.3934	-46.2 °C
65:35	1.3891	-37.5 °C
60:40	1.3845	-32.2 °C
55:45	1.3802	-27.1 °C
50:50	1.3760	-27.7 °C
45:55	1.3720	-18.7 °C
40:60	1.3676	-14.1 °C
35:65	1.3630	-12.6 °C
30:70	1.3585	-9.0 °C
25:75	1.3540	-6.9 °C
20:80	1.3498	-6.0 °C

ENVIRONMENTAL PARAMETERS

Aquatic toxicity

LC₅₀ (EPA40 CFR 797.1300 Daphnid Acute Toxicity Test) 16,150 mg/L

LC₅₀ (EPA40 CFR 797.1400 Fish Acute Toxicity Test) 8,225 mg/L