



**COREICEPHOB TYPE-II**

**Certified SAE AMS 1428**

**Type-II Aircraft De/Anti-icing Fluids**

## COREICEPHOB TYPE-II

Coreicephob Type-II is designed as a “**Propylene Glycol**” based de-anti icing solution with a high endurance performance. Coreicephob Type-II also designed for extreme conditions FAA defined as Very Cold Snow (-29 °C)

### PRODUCT FEATURES

- Product conform Aerodynamic and Climatic acceptance of **AMS 1428R** and certified by **AMIL**.
- Product qualified by **SMI Inc.** on corrosion and environmental parameters.
- Product published on 2025-2026 “**FAA HOLDOVER TIME GUIDELINES**”
- Product qualified by APS Aviation on “**Very Cold Snow**” conditions and published on 2025-2026 “**FAA HOLDOVER TIME GUIDELINES**”

### PRODUCT PROPERTIES

<b>Density (20°C )</b>	1.03 - 1.07 g/cm <sup>3</sup>
<b>Refractive Index (20°C )</b>	1.389 - 1.394
<b>Surface Tension</b>	34.00 - 42.00 dynes/cm
<b>Appearance</b>	yellow clear liquid
<b>pH (as is)</b>	6.8 - 7.5
<b>COD</b>	0.77 kg O <sub>2</sub> /kg
<b>BODs</b>	0.36 kg O <sub>2</sub> /kg
<b>Freezing Point (diluted 1:1 with water)</b>	< -8,0 °C
<b>Chemical Composition</b>	50% aqueous propylene glycol solution with corrosion inhibitors

#### Minimum On-Wing Viscosities

(SC-31/13R-10 mL, 20 °C, 0,3 rpm, 30 min.)

Neat fluid	34,400 mPa.s
Diluted 50:50 with water	20,700 mPa.s

#### Maximum On-Wing Viscosities

(SC-31/13R-10 mL, 20 °C, 0,3 rpm, 30 min.)

Neat fluid	50,200 mPa.s
Diluted 50:50 with water	30,700 mPa.s

#### LOUT

Neat fluid	-27,0 °C
Diluted 50:50 with water	-3,5 °C

#### Refractive Index - Freezing Point Table

Dilution Fluid:Water	Refractive Index @ 20°C	Freezing Point
50:50	1,361	-10,4 °C
55:45	1,364	-12,0 °C
60:40	1,368	-14,2 °C
65:35	1,370	-16,4 °C
70:30	1,372	-18,1 °C
75:25	1,375	-21,4 °C
80:20	1,378	-23,8 °C
85:15	1,381	-25,6 °C
90:10	1,385	-27,2 °C
95:5	1,387	-29,8 °C
100:0	1,390	-33,8 °C

### ENVIRONMENTAL PARAMETERS

#### Aquatic toxicity

**LC<sub>50</sub>** (EPA40 CFR 797.1300 Daphnid Acute Toxicity Test) 7,825 mg/L

**LC<sub>50</sub>** (EPA40 CFR 797.1400 Fish Acute Toxicity Test) 7,950 mg/L