

Aircraft Specialty Products

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ACCU-COOL[®] HTF-350



Product description: HEAT TRANSFER FLUID

FEATURES:

- ▶ A heat transfer fluid that meets the criteria of Airbus AIMS 09-11-002
- ▶ A clear, colorless liquid
- ▶ Fluoresces a blue color when radiated with a UV light source at 365 nm
- ▶ Heat Transfer Fluid designed for use on the **Airbus A-350 Galley Cooling-Supplemental Cooling System**
- ▶ No flash point (ASTM D93)

KEY BENEFITS:

- ▶ Non-toxic and non-harmful as indicated by the regulation on the Classification, Labelling, and Packaging (CLP, 1272/2008/EC) of Substances and Mixtures
- ▶ **Accu-Cool[®] HTF-350** is available in packaging that is approved for use with specialized **Ground Support Equipment (GSE)**
- ▶ **Shelf Life In Originally Sealed Containers: 10 Years**
- ▶ The components of **Accu-Cool[®] HTF-350** are listed as food additive (EU List) or are compliant with REACH regulation



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KEY BENEFITS:

- ▶ **Accu-Cool[®] HTF-350** is compatible with most plastics and elastomers. Generally elastomers and other materials that are compatible with uninhibited glycols will work with **Accu-Cool[®] HTF-350**. The same types of pump packing or mechanical seals used for water may be used with **Accu-Cool[®] HTF-350**.

SPECS:

- Airbus AIMS 09-11-002
- Airbus CML 14ACA1

APPLICATIONS:

- ✓ Designed for use on the **Airbus A350** aircraft
- ✓ Applied on **A350 aircraft** using specifically designed **ground support equipment (GSE)** for filling the reservoirs that hold the heat transfer fluid
- ✓ Store **Accu-Cool[®] HTF-350** at 40 to 100°F (4.4°-37.8°C)
- ✓ **Accu-Cool[®] 342** can be applied to common elastomers and polymers, such as PP, PTFE, EPDM, and EPDM even if 90°C (194°F) is the temperature of the fluid
- ✓ Before using **Accu-Cool[®] 342**, reach out to the component material supplier to ensure that parts, such as tanks, seals for mechanical pumps, gaskets, packings for valves, tanks, tubing, O-rings, other pumps, and piping with elastomeric and materials made out of plastic are compatible with the components of our Heat Transfer Fluids
- ✓ In regards to maximum exposure temperatures that are allowed, certain elastomers will have compatibility variation of a large amount

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PHYSICAL PROPERTIES:

- ▶ **Appearance Under UV Lamp:** Visual Inspection: Emission of blue light at 437 nm
- ▶ **Boiling Point At 1.103 Bar:** 96.3°C-117.7°C (205.34°F-243.86°F)
- ▶ **Color:** ≤ 10
- ▶ **pH (ASTM D1287):** 9.5-10.0
- ▶ **Reserve Alkalinity (ASTM D1121):** ≥ 5.5 mL
- ▶ **Solid Particle Pollution (Counting *) (SAE AS 4059):** ≤7
- ▶ **Specific Gravity at 25°C (77°F) (ASTM D 4052):** 1.046-1.052
- ▶ **Water Content (ASTM D1364):** 39-41%

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HEAT TRANSFER FLUID COMPATIBILITY WITH VARIOUS MATERIALS:

Material Name	Compatibility With Heat Transfer Fluids
Acrylonitrile butadiene rubber (NBR)	Caution: Most compositions of this polymer are not recommended above 40°C
Aluminum and alloys	Not recommended above 60°C or if copper or copper alloys are also present
Brass with <15% Zinc	Acceptable up to at least 90°C
Brass, Chrome Plated	Acceptable up to at least 90°C
Brass, Nickel Plated	Acceptable up to at least 90°C
Carbon Steel	Acceptable up to at least 90°C
Copper	Acceptable up to at least 90°C
Copper Alloys <15% Zinc and Lead Free	Acceptable up to at least 90°C
Polyoxymethylene (POM)	Not recommended above 30°C
Ethylene Propylene Diene Monomer (EPDM)	Acceptable up to at least 75°C
Fluoroelastomer (FKM)	Caution: Some compositions of this polymer are not recommended above 40°C
Fluorinated Ethylene Propylene (FEP)	Acceptable up to at least 90°C
Polyamide (PA)	Caution: Most compositions of this polymer are not recommended above 40°C
Polychloroprene (CR)	Caution: Most compositions of this polymer are not recommended above 40°C
Polyethylene (PE)	Acceptable up to at least 75°C
Polyphenylene Sulfide (PPS)	Acceptable up to at least 60°C
Polytetrafluoroethylene (PTFE)	Acceptable up to at least 90°C
Polypropylene (PP)	Acceptable up to at least 75°C
Polysulfone or Polyphenylsulfone (PSU, PPSU)	Acceptable up to at least 75°C
Silicone	Caution: Some compositions of this polymer are not recommended above 40°C
Stainless Steel, Solution Treated and Passivated	Acceptable up to at least 90°C

AVAILABLE PACK SIZES:

- ▶ 5 Liter (1.3 Gallon) Container-102943
- ▶ 10 Liter (2.6 Gallon) Container-102944
- ▶ 20 Liter (5.2 Gallon) Plastic Containers-102945
- ▶ Other Packaging Available Upon Request

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