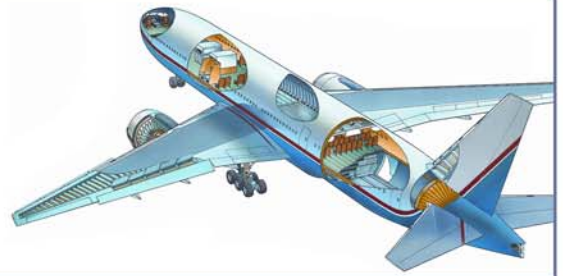


Accu-Cool[®] HTF-350

Heat Transfer Fluid



Description:

Accu-Cool[®] HTF-350 is a heat transfer fluid that meets the criteria of Airbus AIMS 09-11-002. It is designed specifically for use on the Airbus A350 aircraft. **Accu-Cool[®] HTF-350** is designed to provide heat transfer for the Supplemental Cooling System. **Accu-Cool[®] HTF-350** is a clear, colorless liquid that fluoresces a blue color when radiated with UV light.

Application:

Accu-Cool[®] HTF-350 is applied on A350 aircraft using specifically designed ground support equipment (GSE) for filling the reservoirs that hold the heat transfer fluid. **Accu-Cool[®] HTF-350** is available in packaging that is specifically approved for use with this specialized GSE.



Specifications:

Accu-Cool[®] HTF-350 is designed to meet Airbus AIMS 09-11-002.

Accu-Cool[®] HTF-350 will fluoresce a blue color when radiated with UV light at 365 nm. **Accu-Cool[®] HTF-350** consists of ~60% inhibited propylene glycol (1, 2 propanediol CAS: 57-55-6) and ~40% deionized water.

Accu-Cool[®] HTF-350 is nontoxic and not harmful as indicated by the regulation on the Classification, Labelling, and Packaging (CLP, 1272/2008/EC) of Substances and Mixtures. All of the **Accu-Cool[®] HTF-350** ingredients except deionized water are recognized as safe (GRAS) by the United States Food and Drug Administration (US FDA). The components of the product are listed as food additive (EU List) or are compliant with REACH regulation. **Accu-Cool[®] HTF-350** has no measurable flash point (ASTM D93).

Physical Properties:

• Appearance:	Clear liquid that fluoresces under UV
• pH:	9.0 to 10.0
• Color (APHA):	≤ 10
• Water Content:	38-42%
• Reserve Alkalinity:	≥ 5.5
• Refractive Index:	1.3966 to 1.4008
• Density @ 25C:	1.046 to 1.052 g/cm ³
• Boiling Point:	96°C-118°C

Packaging:

Available in 5 Liter (102943), 10 Liter (102944),
and 20 Liter Plastic Containers (102945)
Other packaging available upon request
Shelf Life in Originally Sealed Containers: 5 years

See next page for Acceptable Test Criteria and Markings

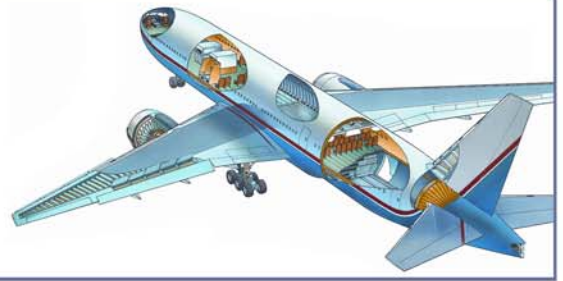
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ZIP-CHEM[®] AVIATION PRODUCTS

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WWW.ZIPCHEM.COM

Rev: 9163 A
6/12/2019



Acceptable Test Criteria:

Each batch of **Accu-Cool® HTF-350** will be tested according to the requirements of the table. An Acceptance Test Report (Certificate of Analysis) will also be supplied with each delivery.

The following tests are listed in the table below and must be carried out on each batch by the manufacturer:

Properties	Units	Requirements	Test Method
Appearance	-	Clear, typical odor	Ph. Eur.*/organoleptic
Color, Pt-Co	-	≤ 10	ASTM D-1209
Physical State	-	Liquid	Visual
Specific Gravity at 25°C	kg/l	1.046-1.052	ASTM D-4052
pH - Value	-	9.0-10.0	ASTM D-1287
Reserve Alkalinity	ml	≥ 5.5	ASTM D-1121

Marking:

Unless otherwise specified by contract, the marking on the ATR (Certificate of Analysis) for **Accu-Cool® HTF-350** shall include:

- The manufacturer batch number
- The manufacturing date
- Minimum life time of the fluid

In addition to the product name and manufacturing address, the labels for each **Accu-Cool® HTF-350** packaging unit includes:

- The part number for **Accu-Cool® HTF-350**
- The batch number
- The manufacturing date
- The AIRBUS reference AIMS 09-11-002
- The contents (volume) and quantity (mass) in the package
- Handling and storage instructions

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