

# Aircraft Specialty Products

**ACCUCOOL® 342**



## *Product description:*

**HEAT TRANSFER FLUID BMS 3-42**

### **FEATURES:**

- ▶ A heat transfer fluid which meets the BMS 3-42 criteria
- ▶ Designed for use on the **Boeing 787** aircraft in the **Integrated Cooling System (ICS)**, **Power Electronic Cooling System (PECS)**, and the **Forward Cargo Air Conditioning System (FCAC)**

### **KEY BENEFITS:**

- ▶ Available in packaging that is approved for use with specialized **Ground Support Equipment (GSE)**
- ▶ **Accu-Cool® 342** is compatible with most plastics and elastomers. Generally elastomers and other materials that are compatible with uninhibited glycols will work with **Accu-Cool® 342**. The same types of pump packing or mechanical seals used for water may be used with **Accu-Cool® 342**

### **SPECS:**

- Boeing BMS 3-42 (QPL)

**Note:** Since there is a possibility of incidental food contact with **Accu-Cool® 342**, the product is registered with the NSF as an HT1 Heat Transfer Fluid.

Rev: 28357D  
03-21-2023

 For more information contact us :  
[zipchem@addevmaterials.com](mailto:zipchem@addevmaterials.com)

 Part of 

# Aircraft Specialty Products

**ACCU-COOL<sup>®</sup> 342**



*Product description:*

**HEAT TRANSFER FLUID BMS 3-42**

## APPLICATIONS:

- ✓ Provides heat transfer for the **Boeing 787** aircraft
- ✓ Applied on **Boeing 787** aircraft using specifically designed **ground support equipment (GSE)** for filling the reservoirs that hold the heat transfer fluid

## PHYSICAL PROPERTIES:

- ▶ **Boiling Point:** 226°F to 239°F (108° to 115°C)
- ▶ **Color:** Orange
- ▶ **Density @ 77F (25C):** 1.0445 to 1.0485 g/cm<sup>3</sup>
- ▶ **Flash Point:** No Flash Point
- ▶ **Freeze Point:** -46°F to -60°F (-43°C to -51°C)
- ▶ **pH:** 8.0 to 10.5
- ▶ **Refractive Index:** 1.3966 to 1.4008
- ▶ **Reserve Alkalinity:** 5.1 Minimum
- ▶ **Shelf Life:** Unlimited
- ▶ **Specific Heat:** 3.4 kJ/kg\*K @ 40°C (104°F)
- ▶ **Thermal Conductivity:** 0.31 W/m\*K @ 40°C (104°F)
- ▶ **Vapor Pressure:** 80 kPa @ 100°C (212°F)
- ▶ **Viscosity:** 5.64 to 6.49 cps @ 85°F (29°C)



For more information contact us :  
[zipchem@addevmaterials.com](mailto:zipchem@addevmaterials.com)



Part of



**ADDEV**MATERIALS

# Aircraft Specialty Products

**ACCU-COOL<sup>®</sup> 342**



*Product description:*

**HEAT TRANSFER FLUID BMS 3-42**

---

**AVAILABLE PACK SIZES:**

- ▶ 1 Gallon (3.8L) Bottles (Case of 4)- 011098
- ▶ 5 Gallon (18.9L) Pails-011097
- ▶ 55 Gallon (208L) Drums-011370
- ▶ 330 Gallon (1249L) Totes-011371
- ▶ Other Packaging Upon Request



For more information contact us :  
[zipchem@addevmaterials.com](mailto:zipchem@addevmaterials.com)



Part of



**ADDEV MATERIALS**