

## Technical Bulletin

# JEFFCOOL<sup>®</sup> P150 INDUSTRIAL COOLANT AND HEAT TRANSFER FLUID

<b>GENERIC NAMES</b>	Inhibited propylene glycol
<b>DESCRIPTION</b>	JEFFCOOL <sup>®</sup> P150 is a propylene glycol-based industrial coolant and heat transfer fluid containing corrosion inhibitors, antifoam and dye. JEFFCOOL <sup>®</sup> P150 should be diluted with water to between 30% and 60% by volume depending on the desired freeze point.
<b>APPLICATIONS</b>	JEFFCOOL <sup>®</sup> P150 can be used in heat transfer applications including line heaters, snow melting systems and runways; as a coolant for ice rinks and air conditioning systems (HVAC); and as a heat transfer agent for solar energy collection systems. Propylene glycol is generally suitable for applications in which toxicological considerations are critical. The inhibitor package in JEFFCOOL <sup>®</sup> P150 is designed to protect all common metals used in industrial equipment including cast iron, steel, copper and brass up to 300°F and aluminum up to 190°F. JEFFCOOL <sup>®</sup> P150 coolant passes the ASTM D1384 corrosion test per the limits set in ASTM D3306.  For applications where incidental contact with food can occur, such as in food processing equipment, select the corresponding JEFFCOOL <sup>®</sup> P200 series propylene glycol-based fluid.

## SALES SPECIFICATIONS

<u>Property</u>	<u>Specifications</u>	<u>Test Method*</u>
Appearance	Slightly hazy and free of suspended solids	ST-30.1
Freeze point, 50 vol% solution		ASTM D3321
°C	-32 max.	
°F	-25 max.	
pH, 33 vol% solution	9.5 – 10.5	ASTM D-1287
Reserve Alkalinity, mL 0.1 N HCl using a 10mL sample	10.5 – 14.0	ASTM D-1121
Specific gravity, 60/60°F	1.05 – 1.06	ASTM D-1122
Water, wt%	4.0 max.	ASTM D-1123

\*Methods of Test are available from Huntsman Corporation upon request.

## ADDITIONAL INFORMATION

### Regulatory Information

See SDS for all regulatory information.

### Typical Properties

Flash point, COC, °C (°F)	100 (212)
Boiling point, °C (°F)	187 (368)
Melting/Freezing point, °C (°F)	<0 (<-32)
Color	Red
Density, lb/US gal, 60°F	8.8
Viscosity, cSt, 20°C (68°F)	<70
Water solubility, %	>10

**TOXICITY AND SAFETY**

For additional information on the toxicity and safe handling of this product, consult the Safety Data Sheet prior to use of this product.

**HANDLING AND STORAGE**

JEFFCOOL® P150 coolant may be stored in unlined carbon steel tanks and drums. If storage of concentrated JEFFCOOL® P150 coolant for periods over 12 months is desired, it is recommended that the storage vessels be constructed from aluminum, stainless steel, or lined carbon steel. Vinyl, epoxy, and phenolic linings are suitable.

For detailed information on the storage and handling of JEFFCOOL® P150 coolant, see our bulletin on “Storage and Handling of JEFFCOOL® Coolants.”

**AVAILABILITY**

JEFFCOOL® P150 coolant is available in tank wagons and 55-gallon, non-returnable steel drums. Bulk and drum inventory of JEFFCOOL® P150 is available at select locations throughout the United States.

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**Huntsman Corporation  
Business Offices**

10003 Woodloch Forest Dr.  
The Woodlands, TX 77380  
(281) 719-6000

**Huntsman Advanced Technology  
Center**

**Technical Service**  
8600 Gosling Rd.  
The Woodlands, TX 77381  
(281) 719-7780

**Samples 1-800-662-0924****[www.huntsman.com](http://www.huntsman.com)**

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