

Technical Bulletin

JEFFCOOL® P150N INDUSTRIAL COOLANT AND HEAT TRANSFER FLUID

GENERIC NAME	Inhibited propylene glycol
DESCRIPTION	JEFFCOOL® P150N is an inhibited propylene glycol-based coolant for stationary engine and industrial applications. JEFFCOOL® P150N should be diluted with water to between 30% and 60% by volume depending on the desired freeze point.
APPLICATIONS	JEFFCOOL® P150N is a heavy-duty coolant for stationary engines in applications such as natural gas processing, irrigation, power generating systems, oilfield operations and portable air compressors. JEFFCOOL® P150N coolant is especially formulated to provide protection of cylinder liners from cavitation corrosion. JEFFCOOL® P150N coolant passes the ASTM D1384 corrosion test per the limits set in ASTM D3306, D4985 and D6210. Use in engines containing aluminum cylinder heads should be avoided. JEFFCOOL® P150N coolant is fully compatible with other propylene glycol-based products designed for similar applications.

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%	5.0 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)
Color	Blue
Boiling point, °C (°F)	187 (368)
Melting/Freezing point, °C (°F)	<0 (<-32)
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® P150N coolant may be stored in unlined carbon steel tanks and drums. If storage of concentrated JEFFCOOL® P150N 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® P150N coolant, see our bulletin on "Storage and Handling of JEFFCOOL® Coolants."

AVAILABILITY

JEFFCOOL® P150N coolant is available in tank wagons and 55-gallon, non-returnable steel drums. Bulk and drum inventory of JEFFCOOL® P150N is available at select locations throughout the United States.

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