

Technical Bulletin

HUNTSMAN

JEFFCOOL[®] P-150N INDUSTRIAL COOLANT AND HEAT TRANSFER FLUID

GENERIC NAMES	Inhibited propylene glycol; antifreeze
DESCRIPTION	An inhibited propylene glycol based industrial coolant and heat transfer fluid. A slightly hazy liquid, free of suspended solids with a slight odor.
APPLICATIONS	JEFFCOOL P-150N coolant is a heavy-duty coolant for stationary engines in applications such as natural gas processing, irrigation, power generation systems, oilfield operations, and portable air compressors. JEFFCOOL P-150N coolant is especially formulated to provide protection of cylinder liners from cavitation corrosion. Use in engines containing aluminum cylinder heads is not recommended. Tested by the ASTM D1384 corrosion test and found to pass by both ASTM D3306 and D4985. Fully compatible with other water/glycol 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	
Color	Blue to match standard	
Water, wt.%	5.0 max.	D-1123
Specific gravity, 60/60°F	1.05 min. ; 1.06 max.	D-1122
Reserve alkalinity, ml	10.5 min. ; 14.0 max.	D-1121
pH, 33% solution	9.5 min. ; 10.5 max.	D-1287
Freezing point 50% vol., °F (°C)	-30 (-34)	D-1177
Nitrite, ppm	3500 min.	D-1177

* Test methods are available upon request.

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JEFFCOOL® P-150N INDUSTRIAL COOLANT AND HEAT TRANSFER FLUID

TYPICAL PROPERTIES

Physical Properties

Density, 60F, lb/gal	8.8
Flash point, COC, F	212
Boiling point, °F	368
Reserve alkalinity, ml	12.0
Solubility in water	complete

PRODUCT SAFETY POLICY

It is the product safety policy of Huntsman Corporation to provide our customers with information on the safe handling and use of our products. The Material Safety Data Sheet (MSDS) should always be read and understood thoroughly before handling the product, and adequate safety procedures should be followed. Information on the toxicity, environmental, and industrial hygiene aspects of our products may be found in the MSDS

HANDLING AND STORAGE

EFFCOOL P-150N coolant may be stored in unlined carbon steel tanks and drums. If storage of concentrated JEFFCOOL P-150N coolant for periods exceeding 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. Amercoat®-23 and Amercoat®-75 linings have been found satisfactory.

The normal precautions associated with any chemical should be observed in handling JEFFCOOL P-150N coolant. This product is neither explosive nor flammable under normal storage conditions. The propylene glycol in this product is considered practically nontoxic. Splashes onto eyes or skin, however, must be washed away quickly and medical treatment is advised for eye exposure. Breathing of the vapors or mists should be avoided. For additional information, see the MSDS.

SHIPPING

JEFFCOOL P-150N coolant is available in tank wagons and 55-gallon, non-returnable steel drums. Bulk and drum inventory is available at select locations throughout the United States. Contact your local Huntsman Sales Representative for details.