

Technical Bulletin

JEFFCOOL[®] P153N INDUSTRIAL COOLANT AND HEAT TRANSFER FLUID

GENERIC NAME	Inhibited propylene glycol
DESCRIPTION	JEFFCOOL [®] P153N is an inhibited propylene glycol-based coolant for stationary engine and industrial applications. JEFFCOOL [®] P153N is a 30% by volume blend of JEFFCOOL [®] P150N coolant and deionized water.
APPLICATIONS	JEFFCOOL [®] P153N 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 [®] P153N coolant is especially formulated to provide protection of cylinder liners from cavitation corrosion. JEFFCOOL [®] P153N 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 [®] P153N 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, as is		ASTM D3321
°C	-12 max.	
°F	+11 max.	
pH, as is	9.5 – 10.5	ASTM D-1287
Reserve Alkalinity, mL 0.1 N HCl using a 30 mL sample	10.0 – 14.0	ASTM D-1121
Specific gravity, 60/60°F	1.02 – 1.04	ASTM D-1122
Water, wt%	72 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
Density, lb/US gal, 60°F	8.6
Viscosity, cSt, 20°C (68°F)	4
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[®] P153N coolant may be stored in unlined carbon steel tanks and drums. If storage of concentrated JEFFCOOL[®] P153N 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[®] P153N coolant, see our bulletin on "Storage and Handling of JEFFCOOL[®] Coolants."

AVAILABILITY

JEFFCOOL[®] P153N coolant is available in tank wagons and 55-gallon, non-returnable steel drums. Bulk and drum inventory of JEFFCOOL[®] P153N is available at select locations throughout the United States.

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