

**Technical Bulletin****JEFFCOOL<sup>®</sup> COOLANTS  
HEAVY DUTY ENGINE COOLANT APPROVALS**

<b>GENERIC NAME</b>	Inhibited ethylene glycol, Inhibited propylene glycol
<b>DESCRIPTION</b>	Inhibited ethylene glycol based and propylene glycol based heavy-duty stationary engine industrial coolant.
<b>APPLICATIONS</b>	Heavy-duty coolants for stationary engines in applications such as natural gas processing, irrigation, power generating systems, oilfield operations, and portable air compressors. JEFFCOOL <sup>®</sup> N-series coolants are especially formulated to provide protection of cylinder liners from cavitation corrosion. Use in engines containing aluminum cylinder heads is not recommended. JEFFCOOL <sup>®</sup> N-series coolants have been tested by the ASTM D1384 corrosion test and found to pass by both ASTM D3306 and D4985. JEFFCOOL <sup>®</sup> N-series coolants are fully compatible with other water/glycol products designed for similar applications.
<b>APPROVALS</b>	<p>JEFFCOOL<sup>®</sup> coolants, including JEFFCOOL<sup>®</sup> E100, E100N, P150, and P150N coolants, are accepted for use in all heavy duty engines under these brand names:</p> <ul style="list-style-type: none"><li>• Ajax</li><li>• Caterpillar (E100 and E100N only; excluding P150 and P150N)</li><li>• Cooper Bessemer</li><li>• Dresser-Rand (engines and compressors)</li><li>• GE-Jenbacher (E100N approved)</li><li>• Enterprise</li><li>• Superior</li><li>• Waukesha</li></ul>

In addition, these JEFFCOOL<sup>®</sup> Coolants meet the performance requirements of ASTM D4985 and D5345.

JEFFCOOL<sup>®</sup> E100N and P150N coolants are formulated to contain nitrite. They can be used without an SCA pre-charge in engines which require nitrite to prevent cylinder liner cavitation corrosion, as specified by the engine manufacturer.

**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 Safety Data Sheet (SDS) 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 SDS.

**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<sup>®</sup> N-series coolants may be stored in unlined carbon steel tanks and drums. If storage of undiluted JEFFCOOL<sup>®</sup> N-series coolants 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<sup>®</sup>-23 and Amercoat<sup>®</sup>-75 linings have been found satisfactory. Stocks of JEFFCOOL<sup>®</sup> N-series coolants should be rotated every two to three years, if possible.

The normal precautions associated with any chemical should be observed in handling JEFFCOOL<sup>®</sup> N-series coolants, although it is neither explosive nor flammable under normal storage conditions. The ethylene glycol in JEFFCOOL<sup>®</sup> N-series coolants is toxic if taken internally. Splashes onto eyes or skin 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.

For detailed information on the storage and handling of JEFFCOOL<sup>®</sup> N-series coolants, see our bulletin on "Storage and Handling of JEFFCOOL<sup>®</sup> Coolants."

**AVAILABILITY**

JEFFCOOL<sup>®</sup> N-series coolants are 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.

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Business Offices**

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**Huntsman Advanced Technology  
Center**

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The Woodlands, TX 77381  
(281) 719-7780

**Samples 1-800-662-0924**

[www.huntsman.com](http://www.huntsman.com)

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