

Technical Bulletin

HUNTSMAN

JEFFCOOL® P-200 INDUSTRIAL COOLANT AND HEAT TRANSFER FLUID

GENERIC NAMES	Inhibited propylene glycol
DESCRIPTION	An inhibited U.S.P. grade propylene glycol based industrial coolant and heat transfer fluid. A slightly hazy liquid, free of suspended solids with a slight odor.
APPLICATIONS	JEFFCOOL P-200 coolant is intended for use in systems where contact with food or potable water is possible. JEFFCOOL P-200 coolant is a heat transfer agent in spray and immersion freezing of packaged food; for beer cooling in breweries; as a cooling agent in food and dairy product processing; as a heat transfer fluid for snow melting systems; and as a coolant in ice rinks and air conditioning systems.

SALES SPECIFICATIONS

<u>Property</u>	<u>Specifications</u>	<u>Test Method *</u>
Color	Colorless	
Water, wt.%	2.5 max.	D-1123
Specific gravity, 60/60°F	1.05 min. ; 1.06 max.	D-1122
Reserve alkalinity, ml	10.5 min. ; 13.0 max.	D-1121
pH, 33% solution	9.5 min. ; 10.5 max.	D-1287
Freezing point 50% vol., °F (°C)	-30 (-34)	D-1177

* Test methods are available upon request.

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Huntsman Corporation warrants only that its products meet the specifications stated herein. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications. While all the information presented in this document is believed to be reliable and to represent the best available data on these products, NO GUARANTEE, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE SUITABILITY OF ANY CHEMICAL COMPOUNDS FOR ANY PARTICULAR USE, OR THAT ANY CHEMICAL COMPOUNDS OR USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. EACH USER SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE. Products may be toxic and require special precautions in handling. For all products listed, user should obtain detailed information on toxicity, together with proper shipping, handling and storage procedures, and comply with all applicable safety and environmental standards.

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TYPICAL PROPERTIES

Physical Properties

Ash, wt. %	2.0
Density, 60F, lb/gal	8.8
Flash point, COC, F	225
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

JEFFCOOL P-200 coolant may be stored in unlined carbon steel tanks and drums. If storage of concentrated JEFFCOOL P-200 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.

The normal precautions with any chemical should be observed in handling JEFFCOOL P-200 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.

SHIPPING

JEFFCOOL P-200 coolant is available in tank wagons and 55-gallon, non-returnable steel drums. Bulk and drum inventory of JEFFCOOL P200 coolant is available at select locations throughout the country. Contact your local Huntsman Sales Representative for details.