



CHEVRON HTF P 200

PRODUCT NUMBER S 227047 (MSDS 12147) CHEVRON HTF P 200

Chevron HTF P 200 is a superior quality, single phase, propylene glycol (USP) based heat transfer fluid concentrate. It is a silicate free coolant designed for use in the immersion or spray freezing equipment of packaged poultry or wrapped meat under the Federal Meat and Poultry Products Inspection Program. Chevron HTF P 200 must be used in a manner which prevents direct or indirect contamination of edible products in official establishments operating under the Federal Meat and Poultry Products Inspection Program.

PRODUCT APPLICATION

Chevron HTF P 200 is an inhibited propylene glycol (USP) based concentrate product that is used as an industrial coolant and heat transfer agent. In non-USDA applications, Chevron HTF P 200 may be used in applications where incidental contact with food is possible. This product is not intended for use as a food component or additive.

The inhibitor system is designed to protect brass, copper, solder, steel, cast iron, aluminum, and other metals commonly found in industrial cooling and heating systems. A foam inhibitor is included to minimize foaming tendencies during service. Extensive laboratory simulated service and actual service tests have proven the effectiveness of this coolant in preventing corrosion.

PRODUCT DESCRIPTIONS AND FEATURES

Chevron HTF P 200 is a silicate free coolant designed and approved for use in immersion or spray freezing equipment of packaged poultry or meat under the Federal Meat and Poultry Products Inspection Program.

Chevron HTF P 200 should not be used for automotive or non-stationary heavy duty diesel applications. This product provides antifoam properties, and rust and corrosion protection for brass, copper, solder, steel and cast iron. This product mixes easily with clean water. Chevron HTF P 200 is free of nitrites, amines and silicates. This product is clear and contains no colorant (dye).

BENEFITS

In service Chevron HTF P 200 provides:

- Excellent heat transfer properties
- Superior corrosion protection for brass, copper, solders, steel and cast iron
- Nitrite-free, amine-free, silicate free
- Mixes readily with clean tap water
- 100% biodegradable in its pure unused form
- Meets requirements for food grade applications

PRODUCT RECOMMENDATIONS AND APPROVALS

Chevron HTF P 200 meets the requirements of the U.S. Department of Agriculture (USDA) for use in the immersion or spray freezing equipment of packaged poultry or wrapped meat under the Federal Meat and Poultry Products Inspection Program.

PRODUCT MAINTENANCE

Chevron HTF P 200 is a concentrate and requires dilution before use. Dilution of product is dependant on application but normally a 50/50 blend is recommended so that inhibitor level effectiveness is maintained. Because this product is silicate free, Chevron HTF P 200 can be stored at least 5 years with no problem. This product is clear in color as received. Contamination with ethylene glycol based products should be strictly avoided. Product should be re-circulated to insure uniformity when stored in bulk containers using either mechanical agitation or an air sparge.

RECOMMENDED DILUTIONS FOR CHEVRON HTF P 200

Boiling Protection, °C(°F) (15 lb pressure cap) 50% (1 part antifreeze/1 part water)	126.7(260)
Freezing Protection, °C(°F)	
30% (3 parts antifreeze/7 parts water)	-13.9(+7)
40% (2 parts antifreeze/3 parts water)	-21.6(-7)
50% (1 parts antifreeze/1 part water)	-32.7(-27)
60% (3 parts antifreeze/2 parts water)	-56.7(-70)

Notes

- For optimum year round protection against freezing, boiling and corrosion, a 50 percent Chevron HTF P 200 solution (1 part antifreeze/1 part water) is recommended.
- For maximum protection against freezing in extremely cold areas, a 60 percent solution (3 parts antifreeze/2 parts water) can be used. Concentrations greater than 67 percent are not recommended.
- Always dispose of used coolant in accordance with local, state and federal guidelines.

TYPICAL TEST DATA

Product Number		227047
MSDS Number		12147
Appearance		Clear
Specific gravity 60/ 60°C		1.038
Freezing point, °C(°F) ^a	ASTM D 1177	-33(-27)
pH ^b	ASTM D 1287	10.0
Reserve alkalinity ^c	ASTM D 1121	12.0
Silicate, % ^d		None

- 50 vol % aqueous solution
- 1:2 dilution with water
- as received
- as anhydrous alkali metasilicate

HANDLING PRACTICES

For information on the safe handling and use of these products, refer to their Material Safety Data Sheets. For more information and availability, call 1-866-688-8890.