CHEVRON HTF E-100

PRODUCT DESCRIPTION

Chevron HTF E-100 is an exceptional quality single phase, silicate free ethylene glycol concentrate used in heat transfer applications or as an industrial coolant/ antifreeze product.

CUSTOMER BENEFITS

Chevron HTF E-100 delivers value through:

- **Performance** — 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.
- **Foam Inhibition** — A foam inhibitor is included to minimize foaming tendencies during service.
- **Wide Service Applications** — Can be used in irrigation, power generating systems, oil field operations, line heaters and portable air compressors applications where cavitation protection is not needed. In addition, this product is recommended for use in snow melting systems, loading ramps, walkways, highways, airfield runways, and as a coolant in ice skating rinks and air conditioning systems. This product is not recommended for heavy duty internal combustion engines unless supplemental coolant additives are added. Not recommended for automotive applications.
- **Biodegradable** — Readily biodegradable in its pure unused form.

FEATURES

- Chevron HTF E-100 is a multi-purpose heat transfer fluid blended with a quality additive package that is recommended for use in various applications where cavitation protection is not required.
- Chevron HTF E-100 provides antifoam properties, and rust and corrosion protection for brass, copper, solder, steel and cast iron.
- Chevron HTF E-100 mixes readily with clean tap water and is compatible with cooling system additive filters and liquid supplemental additives.
- Chevron HTF E-100 is borax free, silicate free, nitrite free and amine free.

Note: This product is not to be used to protect the inside of potable water systems against freezing.

APPLICATIONS

Chevron HTF E-100 is recommended for use in heat transfer and cooling systems where a silicate free, nitrite free ethylene glycol based coolant is recommended by the equipment manufacturer (OEM).

PRODUCT DILUTION AND BOIL OVER PROTECTION RECOMMENDATIONS FOR CHEVRON HTF E-100

Boiling Protection, °F/°C (15 lb pressure cap) 50% (1 part antifreeze/1 part water)	 265/129
Freezing Protection, °F/°C 40% (2 parts antifreeze/3 parts water) 50% (1 part antifreeze/1 part water) 60% (3 parts antifreeze/2 parts water)	 -12/-24 -34/-37 -62/-52

Chevron HTF E-100 coolant will require addition of coolant additives over the life of the fluid. Please follow the OEM's recommendations for coolant inhibitor level maintenance and treatment requirements.

Notes

- For optimum year round protection against freezing, boiling and corrosion, a 50 percent Chevron HTF E-100 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.

Product(s) manufactured in the USA.
Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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COOL-60

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- Original Equipment Manufacturer (OEM) recommendations should be followed when adding supplemental coolant additives, or when changing out cooling systems.
- Always dispose of used coolant in accordance with local, state and federal guidelines.
- Product concentrates should be agitated before use or dilution.

PRODUCT REFERENCE

Product Number 228407
SDS Number 29607
Chevron HTF E-100

TYPICAL TEST DATA

Chevron HTF E-100

Appearance	Pink
Specific gravity 60/60°F	1.130
Freezing point, °F(°C)[a], ASTM D1177	-34(-37)
pH[b], ASTM D1287	10.5
Reserve alkalinity[c], ASTM D1121	12.0
Silicate, %[d]	None

a 50 vol % aqueous solution.
b 1:2 dilution with water.
c As received.
d As anhydrous alkali metasilicate.

Minor variations in product typical test data are to be expected in normal manufacturing.

Chevron HTF E-100
ASTM D1384 Glassware Corrosion Test

	ASTM Limit	Weight loss, mg per coupon
Copper	10 max	3
Solder	30 max	2
Brass	10 max	4
Steel	10 max	0
Iron	10 max	1
Aluminum	30 max	6

HANDLING PRACTICES

Because this product is silicate free, Chevron HTF E-100 coolant can be stored for 18 months without silicate drop-out or deposit concerns if container integrity is maintained. Product should be agitated before use or dilution.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.