



# HDAX<sup>®</sup> PF ANTIFREEZE/COOLANT - PREMIXED 50/50

## PRODUCT DESCRIPTION

HDAX<sup>®</sup> PF Antifreeze/Coolant - Premixed 50/50 is a single-phase, ethylene glycol based, low silicate coolant/antifreeze designed for use in natural gas engines and in heavy duty on-highway and off-highway diesel engines.

## CUSTOMER BENEFITS

HDAX PF Antifreeze/Coolant - Premixed 50/50 delivers value through:

- **Ready to Use Formulation** — Diluted with high quality deionized water this product provides freeze protection down to -34°F (-37°C).
- **Fully Formulated Inhibitor Package** — Pre-charged with a quality inhibitor package this product does not require an initial dose of supplemental coolant additives (SCA). Maintenance doses of SCA's are required. The recommendation of the Original Engine Manufacturers (OEMs) should be followed when adding chemical additives (supplemental coolant additives).
- **Phosphate Free Formulation** — Elimination of phosphates helps reduce the occurrence of hard water scale.
- **Compatibility** — Compatible with commercially available supplemental coolant additives in liquid or filter form and with other low silicate, fully formulated, phosphate free coolants. Also compatible with commercially available test strips.
- **Effective corrosion inhibitor package** — Provides protection for wet sleeve cylinder liners and cooling system metals including aluminum, brass, cast iron, steel, solder, and copper. The antifoam package also reduces the occurrence of foam in the cooling system.

- **Wide temperature application** — Protects against winter freeze up and minimizes chances of summer boil over.
- **Excellent Service Life** — Stationary engines service life is 5,000 hours/2.5 years. Note: Due to differences in how equipment runs and is used, it is recommended that regular inhibitor testing be performed.

## FEATURES

HDAX PF Antifreeze/Coolant - Premixed 50/50 uses a low silicate technology and contains a complete supplemental coolant additive package that provides maximum protection for basic metal alloys found in most heat transfer systems. HDAX PF Antifreeze/Coolant - Premixed 50/50 does not require an initial addition of supplemental coolant additives (SCAs), but does require maintenance additions of SCAs to maintain the correct additive balance. This product is phosphate free in order to reduce hard water scale development and contains nitrite for additional liner protection. This product is available in two colors, light purple (fuchsia) or green.

HDAX PF Antifreeze/Coolant - Premixed 50/50 is specifically blended for use in stationary engines using various fuel sources.

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

## APPLICATIONS

Meets or Exceeds:

- **ASTM D6210 and D3306**
- **TMC RP 329**

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-57

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Suitable for use in:

- White Superior
- Ajax
- Mack Truck
- International Truck
- PACCAR
- Caterpillar
- J.I. Case
- John Deere
- Cooper-Bessemer
- Waukesha

### PRODUCT DILUTION AND BOIL OVER PROTECTION RECOMMENDATIONS FOR HDAX® PF ANTIFREEZE/COOLANT - PREMIXED 50/50

Boiling Protection, °F(°C) (15 lb pressure cap)	Freezing Protection, °F(°C)
265(129)	-34(-37)

**Notes:**

- HDAX PF Antifreeze/Coolant - Premixed 50/50 should be used as manufactured. No dilution is recommended.
- Always dispose of used coolant in accordance with local, state and federal guidelines.

### PRODUCT REFERENCE

**Note:** Bitterant is a flavor aversive that may help reduce the accidental ingestion of this product. These products contain bitterant.

Product Number 227072  
 SDS Number 38251  
 HDAX PF Antifreeze/Coolant - Premixed 50/50

Product Number 275112  
 SDS Number 37455  
 HDAX PF Green Antifreeze/Coolant - Premixed 50/50

### TYPICAL TEST DATA

#### HDAX PF ANTIFREEZE/COOLANT - PREMIXED 50/50

Appearance	Light Purple or Green
Specific gravity 15/15°C	1.074
Freezing point, °F/°C <sup>a</sup> , ASTM D1177	-34/-37
pH <sup>a</sup> , ASTM D1287	10.5
Reserve alkalinity <sup>a</sup> , ASTM D1121	6.0
Silicate, % <sup>b</sup>	0.0125

a 50 vol % aqueous solution.

b As anhydrous alkali metasilicate.

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

#### HDAX PF Antifreeze/Coolant - Premixed 50/50 ASTM D1384 Glassware Corrosion Test

ASTM D1384 Glassware Corrosion Test		
	ASTM Limit	Weight loss, mg per coupon <sup>a</sup>
Copper	10 max	0
Solder	30 max	3
Brass	10 max	0
Steel	10 max	0
Iron	10 max	-1
Aluminum	30 max	-3

a Negative indicates net gain.

### HANDLING PRACTICES

HDAX PF Antifreeze/Coolant - Premixed 50/50 has a storage shelf life of 18 months. Product should be agitated before use.

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.