



HDAX[®] Prediluted 50/50 Coolant/Antifreeze

Phosphate free

Product Data Sheet

Product description

HDAX[®] Prediluted 50/50 Coolant/Antifreeze Phosphate Free 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 Prediluted 50/50 Coolant/Antifreeze Phosphate Free delivers value through:

- **Ready to Use Formulation** – Diluted with high quality deionized water this product provides freeze protection down to -34°F.
- **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.

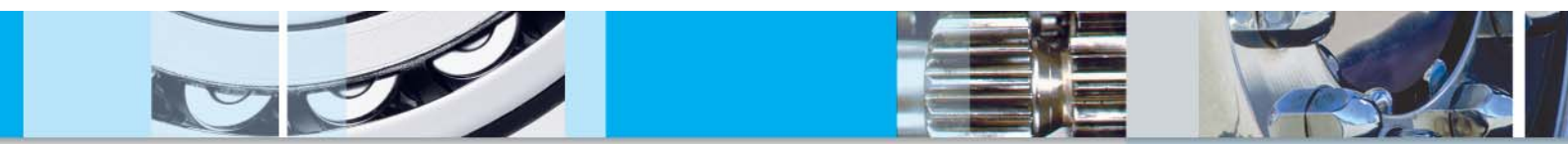
Product highlights:

- Provides engine wear protection
- Helps keep engine clean
- Protects against corrosion

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Features

HDAX Prediluted 50/50 Coolant/Antifreeze Phosphate Free 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 Prediluted 50/50 Coolant/Antifreeze Phosphate Free 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 a light purple (fuchsia) in color.

HDAX Prediluted 50/50 Coolant/Antifreeze Phosphate Free 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

Suitable for use in:

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



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continued

Product dilution and boil over protection recommendations for HDAX[®] Prediluted 50/50 Coolant/Antifreeze Phosphate Free

BOILING PROTECTION, °C(°F) (15 lb pressure cap)	FREEZING PROTECTION, °C(°F)
129.4(265)	-36.7(-34)

Notes:

- HDAX Prediluted 50/50 Coolant/Antifreeze Phosphate Free 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. This product contains bitterant.

Product Number 510557
Chevron Identifier 227072
HDAX Prediluted 50/50 Coolant/Antifreeze Phosphate Free

Typical Test Data

HDAX PREDILUTED 50/50 COOLANT/ANTIFREEZE PHOSPHATE FREE	
Appearance	Purple/Clear with no debris
Specific gravity 15/15°C	1.074
Freezing point, °Fa, ASTM D1177	-34
pH ^a , ASTM D1287	10.5
Reserve alkalinity, ASTM D1121	6.0
Silicate, % ^b	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.



continued

**HDAX Prediluted 50/50 Coolant/Antifreeze Phosphate Free
ASTM D1384 Glassware Corrosion Test**

	ASTM LIMIT	WEIGHT LOSS, MG PER COUPON ^a
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 50/50 Coolant/Antifreeze Phosphate Free has a storage shelf life of 18 months. Product should be agitated before use.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by Chevron Lubricants; Africa, Middle East and Pakistan.

Environment, Health and Safety Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit www.caltexoils.com.

For more information, go to www.chevronlubricants.com