



# HDAX<sup>®</sup> ELC Premixed 50/50

## High performance extended life coolant

### Product description

HDAX ELC Premixed 50/50 is a high performance extended life coolant designed to offer optimum heat transfer performance and long-life protection to stationary gas engine coolant systems.

HDAX ELC Premixed 50/50 is formulated with Chevron patented carboxylate corrosion inhibitor technology, designed to offer high performance system protection with maximum uptime across a wide range of operating conditions.

### Customer benefits

- Silicate-free formula offers next-level heat transfer when compared to traditional and silicate based stationary gas engine coolants
- Phosphate free formulation helps reduce the occurrence of hard water and phosphate scale on liners, hoses and radiators
- Offers up to 32,000 hours of stationary engine coolant life when following OEM coolant maintenance recommendations
- Offers long-life pump seal protection and high temperature corrosion resistance in common cooling system metals, including aluminium
- Designed for low maintenance operation in remote locations, or where high equipment mobility makes coolant maintenance sporadic

### Product highlights

- **Silicate-free formula offers next-level heat transfer**
- **Helps reduce hard water and phosphate scale**
- **Offers up to 32,000 hours service life**
- **Contributes to long-life pump seal and corrosion protection**
- **Designed for low maintenance operation**

#### Selected specification standards include:

Ajax	ASTM
Caterpillar	Cooper-Bessemer
MWM	Wärtsilä
Waukesha	White Superior

## Applications

- HDAX ELC Premixed 50/50 is recommended for use in heavy duty stationary gas engines that require improved heat transfer performance, cavitation protection and long-life cooling system protection. This product is not to be used to protect potable water systems against freezing

## Approvals, performance and recommendations

### Performance

HDAX ELC Premixed 50/50 meets the requirements of:

- ASTM D6210
- ASTM D3306

### Recommendations

HDAX ELC Premixed 50/50 is suitable for use in following stationary gas engines:

- Ajax
- Caterpillar
- Cooper-Bessemer
- MWM
- Wärtsilä
- Waukesha
- White Superior

## Product maintenance and handling

HDAX<sup>®</sup> ELC Premixed 50/50 should be stored above -30°C and preferably at ambient temperatures. Periods of exposure to temperatures above +35°C should be minimised. It is strongly advised not to expose HDAX<sup>®</sup> ELC Premixed 50/50 in translucent packages to direct sunlight because this can degrade the dyes present in the product resulting in discoloration over time. HDAX<sup>®</sup> ELC 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. HDAX<sup>®</sup> ELC Premixed 50/50 has a storage shelf life of up to 8 years.

Chevron recommends that this product not be diluted by more than 20% with other coolant formulations. Dilution by more than 20% will reduce extended life properties.

Typical test data		
Test	Test Methods	Results
<b>Shelf Life: 96 months from date of filling indicated on the product label</b>		
Density at 20 °C, Kg/L	ASTM D5931	1.070
Freezing point, °C	ASTM D1177	-36.4
Boiling protection (using a 1bar pressure cap), °C	ASTM D1120	129
pH at 20°C, NUOM	ASTM D1287	8.4
Reserve alkalinity, mL 0.1N HCl	ASTM D1121	2.5
ASTM D1384 Glassware Corrosion Test <sup>1</sup>		
Copper, Weight loss, mg/coupon <sup>2</sup>	ASTM D1384	0
Solder, Weight loss, mg/coupon <sup>2</sup>	ASTM D1384	3
Brass, Weight loss, mg/coupon <sup>2</sup>	ASTM D1384	0
Steel, Weight loss, mg/coupon <sup>2</sup>	ASTM D1384	0
Cast iron, Weight loss, mg/coupon <sup>2</sup>	ASTM D1384	-1
Aluminium, Weight loss, mg/coupon <sup>2</sup>	ASTM D1384	-3

<sup>1</sup> Data generated on a 33vol% dilution as per the method

<sup>2</sup> Negative sign indicates a weight gain

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

**Disclaimer** Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

**Health, safety, storage and environmental** Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

**A Chevron company product**