

## LSA COOLANT ELC 50

**LSA COOLANT ELC 50** is a ready to use extended life, premixed anti-freeze anti-boil coolant that contains 522gm/L (46%) ethylene glycol, incorporating an advanced formula technology with virtually non-depleting organic acid technology (OAT) corrosion inhibitors. It is silicate free and recommended as coolant for use in ferrous and aluminium alloy petrol powered automotive engines, heavy duty diesel and natural gas, mobile and stationary engines.

**LSA COOLANT ELC 50** gives maximum protection to aluminium, copper, brass, steel, cast iron and solder in cooling systems.

With the combination of organic mono and dicarboxylate inhibitors gives excellent protection against cast iron cylinder liner and block pitting and cavitation, corrosion/erosion.

It lasts up to 3 times longer than conventional coolants, and reduces coolant cost up to 60%. Recommended for passenger car & light duty commercial vehicles for 5 years or 200,000kms, and heavy duty engines for 1,000,000kms, 12000hrs or 6 years, whichever comes first.

**LSA COOLANT ELC 50 contains ethylene glycol and is poisonous if swallowed.**

Meets or is suitable for the performance requirements of the following engine coolant specifications.

AS 2108.1:2004 Type A  
ASTM D 3306 (and D4656)  
ASTM D 4985 (and D5345)  
ASTM D 6210  
SAE J1034  
Audi/SEAT/Skoda  
BMW N600 69.0  
BR 637  
BS 6580 (British Standard)  
BT-PS-606A (MIL Belgium)  
Caterpillar EC-1  
Cummins 90 t8 4  
DAF-Leyland 74001

Daihatsu  
DCEA 615 (MIL France)  
Detroit Diesel  
E/L-1415b (MIL Italy)  
Ford WSS-M97B44-C  
FVV Heft R443 (Germany)  
FSD A-A-870A (MIL Sweden)  
General Motors GM 1899M, 6277M  
Honda  
Hyundai  
Isuzu  
JASO M325 (Japan) LLC  
JIS K2234 (Japan) LLC  
John Deere JDM HD 24  
Komatsu  
Mack – RVI  
MAN 324  
Massey Ferguson  
Mazda MES MN 121C  
Mercedes-Benz DBL 325.3  
Mitsubishi ES-X64216  
MTU  
NATO S-757  
Navistar  
Perkins  
Renault Type D & P  
Saab  
Scania (TI 02-98)  
Subaru  
Toyota TS K2601 G  
UNE 26-361-88/1  
Volvo Heavy Truck  
VW TL 774D  
Waukensha Forum 6274

It is the responsibility of the end user to use this product in accordance with Engine Manufacturer recommendations.

## LSA COOLANT ELC 50 (continued)

### LSA COOLANT ELC 50 Physical and Chemical Properties

Test	Test Method	Performance
Colour		Red
pH (50% in distilled water)	ASTM D 1287	8.4
Reserve Alkalinity, ml (ph5.5)	ASTM D 1121	1.8
Specific Gravity (20°C)	ASTM D 1122	1.07
Boiling Point	ASTM D 1120	Max 130°C
Freeze Point	ASTM D 1177	Min -37°C
Foaming Properties - Volume (ml)	ASTM D 1881	50 max.
Foaming Properties - Break time (sec.) (5 min boiling)	ASTM D 1881	5 max.
Flash Point	ASTM D 92	118°C min.
Ash Content (% wt)	ASTM D 1119	0.4
Nitrite	> 500 ppm	
Tolyltriazole	> 900 ppm	
Total Glycol Content		Min 46.7%
Bittering Agent – ppm		5 ppm
Chlorine – ppm		< 10 ppm
Corrosion	ASTM D 3306	Passes Tests
Odour		Slight
Effect on Paint & Organic Materials		None
Amines/Borates/Nitrates/ Phosphates/Silicates		None

#### Package Sizes

**1000 litre**  
**200 litre (Steel Drums)**  
**20 litre (Plastic Drums)**

The information contained herein is accurate at the time of this review.  
However specifications change from time to time. Ensure specifications meet  
equipment manufacture requirements.