

MEG95

Extended Life Antifreeze / Coolant Concentrate

PRODUCT OVERVIEW

PrixMax MEG95 is a premium OAT coolant concentrate that offers extended life corrosion protection, superior performance at high operating temperatures and year-round anti-freeze and anti-boil protection for petrol, gas, light and heavy duty diesel engines. This technically advanced formulation will protect all cooling system metals against pitting, corrosion and erosion, and is nitrite, amine, phosphate and silicate (NAPS) free and borate free.

PRODUCT BENEFITS

- Meets or exceeds a wide variety of coolant performance specifications, including ASTM D3306, ASTM D6210, Ford WSS-M97B44-D, GMW 3420 and VW TL 774D/F
- Provides effective, long term corrosion protection for the six basic metal alloys - aluminium, brass, cast iron, steel, solder and copper - found in most heat transfer systems
- When used as directed, protects passenger cars and light commercial vehicles for up to 8 years or 250,000kms (whichever comes first) and heavy duty engines for up to 8 years, 1,000,000kms or 12,000 hours (whichever comes first)
- Suitable for mixed fleets (cars, trucks and heavy duty applications)
- Protects against winter freeze up and minimises the chance of summer boil over
- No addition of supplemental coolant additives (SCAs) required
- For use in all heavy duty engines requiring a nitrite-free ELC product including those using ACERT or EGR technologies
- Compatible with water pump seal materials and minimises the formation of abrasive dissolved solids (no silicates)
- Improved hard water stability (no silicates or phosphates)
- No silicate dropout or gel formation during use or storage
- Biodegradable in its pure unused form
- Excellent heat transfer properties
- Nitrite, amine, phosphate, and silicate (NAPS) free meeting global OEM conventions for environmentally sustainable formulations
- Contains no borate or nitrates
- Compatible with OEM system metals, seals, hoses and plastic components
- Outstanding hot surface aluminium protection in modern engines

- Superior protection in modern, hotter-running engines. This is particularly important for new emission engines, especially those with EGR
- Compatible with most conventional anti-freeze and factory-fill inhibited glycol coolants

APPLICATIONS

PrixMax MEG95 is recommended for use in the following applications:

- Passenger cars and light commercial vehicles
- Mixed fleets where cars, light duty trucks and heavy duty trucks are being serviced
- Heavy duty diesel and gas engines
- Construction, earthmoving and mining equipment
- On-road, off-road and marine cooling systems
- Stationary power generation engines

SERVICE LIFE

Equipment Type	Maximum Service Life*
Passenger Cars and Light Commercial Vehicles	8 YEARS or 250,000KMS
Heavy Duty Engines (on-road and off-road)	8 YEARS or 1,000,000KMS or 12,000 HOURS
Marine and Stationary Engines	8 YEARS or 32,000 HOURS

*Whichever comes first, provided a complete flush and fill is performed, a concentration level of 50% is maintained and specified use and maintenance directions followed. Routine visual inspections, coolant top-off and annual coolant testing are recommended to ensure maximum service life.

Service life intervals can be extended when combined with our Coolcheck® scheduled laboratory coolant analysis service.

PERFORMANCE STANDARDS AND TESTING

PrixMax MEG95 **meets or exceeds** the following coolant specifications and OEM standards:

- AS 2108-2004 Engine Coolant Type A
- ASTM D3306 and D6210
- Aston Martin
- Audi (TL 774D/F)
- Bergen Engines (2.13.01)
- British Standards (BS 6580)
- Case New Holland (MAT3624)
- Cummins CES 14439 and CES 14603
- DAF (74002)
- Detroit (DFS93K217)
- Deutz (DQC CB-14)
- Ford (WSS-M97B44-D)

- Foton (Q-FPT 2313005-2013)
- General Motors (GMW 3240 and GM 6277M)
- Hitachi
- Isuzu
- Jaguar / Land Rover (STJLR 651.5003)
- Jenbacher (TA 1000-0201)
- John Deere (JDM H5)
- Kobelco
- Komatsu (07.892 (2009))
- Liebherr (MD1-36-130)
- Mack (014 GS 17009)
- MAK (A4.05.09.01)
- MAN 324 Type SNF
- MAN B&W
- Mazda (MEZ MN 121 D)
- Mercedes Benz (MB 325.3)
- Mitsubishi MHI
- MTU (MTL 5048)
- MWM (0199-99-2091/11)
- Renault (41-01-001/- - S Type D)
- SACM Diesel (DLP799861)
- Thermo King
- Valtra
- Van Hool
- Volvo (Construction, Penta and Trucks)
- Volkswagen / Skoda / SEAT (TL 774D/F)
- Wärtsilä (32-9011)
- Waukesha
- Yanmar

In addition, PrixMax MEG95 is recommended for use in, or where the following performance standards or specification requirements are cited:

- AFNOR R15-601 (French Standard)
- BMW (N 600 69.0)
- Caterpillar EC-1
- Cummins (IS series u N14)
- Freightliner
- Hino
- Hitachi
- Honda
- Hyundai
- International
- Isuzu
- Iveco Trucks
- JASO M325 (Japan)
- JIS K2234 (Japan)
- MTU 2000/4000 Series Engines
- Navistar
- Nissan
- PACCAR (Kenworth and DAF)
- SAE J1034
- Scania
- Subaru
- Suzuki
- TMC RP 338 and RP 364
- Toyota
- Meets the phosphate-free and nitrite-free requirements of European manufacturers
- Meets the silicate-free and borate-free requirements of Japanese manufacturers

Where a nitrite inhibited product is required by the engine manufacturer (i.e. for some USA heavy duty engine builders), we recommend the use of **PrixMax Heavy Duty N-ELC** (red liquid), which is suitable for use where the performance requirements of TMC RP 329 and ASTM

D6210 are cited. For further information on this product, please contact us.

The PrixMax R&D Department located at our ISO 9001 and ISO 14001 accredited manufacturing facility in Victoria routinely runs all of the ASTM tests including the D2570, D2809, D4340 and D1384 tests that are required for the ASTM D6210 Heavy Duty Coolant Specification for product development and Quality Control purposes. This ASTM standard is a benchmark performance standard for Caterpillar, Cummins, Detroit Diesel, Mack, Navistar and other USA based heavy duty engine manufacturers.

TECHNICAL CHARACTERISTICS

Property	Method	Typical Results
Colour		Orange
pH (33% vol)	ASTM D1287	8.4
Nitrate, amine, phosphate, borate, silicate and other heavy metals content		Nil
Density, g/ml, 20°C	ASTM D1122	1.11
Freezing Point °C (50% vol)		-37
Storage Stability		> 2 years

Technical Characteristics are typical of those obtained with normal production tolerance. Variations in product typical results are to be expected during normal manufacture.

MAINTENANCE

Recommended coolant concentrations

For optimum year-round protection against freezing, boiling and corrosion, and for heavy duty trucks and buses, a solution of not less than 50% by volume of PrixMax MEG95 concentrate in good quality water is recommended. The product is a concentrate and must be diluted before pouring into the cooling system, and must not be used at concentrations greater than 67% or less than 33%.

The relationship between dosage rate and freezing/boiling protection offered by PrixMax MEG95 is illustrated as follows:

PrixMax MEG95	Water	Freeze Protection	Boil Protection*
1 part	1 part	-37°C	129°C
1 part	2 parts	-20°C	125°C

*with a 103 kPa radiator pressure cap

General

- For true long-life protection, do not mix PrixMax MEG95 with other coolant products as the extended life benefits will be reduced. PrixMax recommends that this product not be diluted by more than 15% with other coolant/antifreeze formulations.

- When changing to PrixMax MEG95 always start off with a clean coolant system using PrixMax Radiator Flush or similar commercial cleaner at the change interval if previously using conventional coolants. After draining the cleaner, flush thoroughly with clean water. Inspect the cooling system. Make necessary repairs and tighten all hose connections.
- Always dispose of the used coolant in accordance with local, state and federal guidelines.
- Full technical support of the PrixMax laboratory is available through our comprehensive Coolcheck® scheduled coolant analysis program, which at least annually determines the overall condition of the coolant and cooling system.
- A basic coolant maintenance check every oil change or 250 service hours can be performed using PrixMax Coolant Test Strips or a hand-held glycol refractometer to identify problems with maintenance procedures and operational practices.

Mixing

- PrixMax MEG95 is compatible with most conventional coolants and can be used for top-up of other coolant/antifreeze formulations. If the product is to be mixed with some heavy duty diesel coolants the user must continue to add SCAs for heavy duty service until the next coolant change-out. Before mixing PrixMax MEG95 with other coolants contact the Coolcheck® laboratories.
- The PrixMax Customer Service & Technical Training Group provides specialist advice on the maintenance of engine cooling systems and coolant products application support.

STORAGE AND HANDLING

PrixMax MEG95 engine coolant should be stored above -20°C and preferably at ambient temperatures. Periods of exposure to temperatures above 35°C should be minimised.

Exposure of the coolant in translucent packages to direct sunlight can degrade the dyes present in the coolant, and result in fading of the colour or discolouration over time. This process can be accelerated if coupled with high ambient temperatures. The colour change will not affect the performance of the coolant only the appearance. Therefore coolant in translucent packages should be stored INDOORS.

Provided the product is stored in accordance with good practice as above in unopened, new containers, the coolant has a shelf life of up to 8 years. The use of galvanised steel is not recommended for any part of the storage/mixing process.

PACK SIZES

Part No	Pack Size
MEG95-C1	1 litre
MEG95-C5	5 litre
MEG95-P20	20 litre
MEG95-D205	205 litre
MEG95-B1000	1,000 litre

Please contact us for further enquiries.

TOXICITY AND SAFETY

Warning: PrixMax MEG95 contains ethylene glycol, which is harmful or fatal if swallowed. Avoid eye or skin contact. For advice, contact a Poisons Information Centre (eg Australia 13 11 26; NZ 0800 764 766) or a doctor at once. If swallowed, do NOT induce vomiting. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (eg Australia 13 11 26; NZ 0800 764 766) or a doctor, or for at least 15 minutes. Seek medical attention if irritation persists.

Further ENVIRONMENT, HEALTH and SAFETY Information is available on this product in the **Safety Data Sheet (SDS)**. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal.

To obtain the SDS for this product, please contact us.

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