RCP

Long Life Corrosion Inhibitor Concentrate

PRODUCT OVERVIEW

PrixMax RCP is a low-toxic, environmentally friendly corrosion inhibitor concentrate for all cooling systems. This technically advanced formulation uses virtually non-depleting Organic Additive Technology (OAT) inhibitors to provide long life corrosion protection for all system metals, including aluminium, copper, iron and solder alloys. PrixMax RCP incorporates an environmentally friendly inhibitor package that is nitrite, amine, phosphate and silicate free (NAPS free) and borate free.

Developed for extended service performance in heavy duty engines in particular, PrixMax RCP technology boasts arguably the most extensive field experience in Australia and Southeast Asia in mining, oil and gas, power generation and heavy transport applications of any comparable product on the market.

PRODUCT BENEFITS

- Approved by Mercedes-Benz and MTU
- Meets or exceeds a wide range of OEM performance specifications
- Extended life corrosion protection for all system metals, including aluminium
- Excellent high temperature corrosion protection for aluminium heat transfer surfaces in modern engines
- Exceptional cavitation protection
- Lasting protection for thermostats, radiators and water pumps
- Proven performance in the field, providing superior protection for at least **32,000 hours** in marine and stationary applications
- When used as directed, can protect heavy duty on-road engines for up to **6 years** or **1,000,000kms** (whichever comes first)
- Environmentally friendly formulation
- Low-toxic NAPS free formulation
- Readily biodegradable
- NO Australian Poisons Schedule, HAZCHEM, Dangerous Goods or GHS hazardous chemical classification at recommended treat rate
- Certified Carbon Neutral
- Non-flammable
- Compatible with glycol-based engine coolants
- Easy maintenance with no pre-charging or recharging of inhibitors
- Phosphate-free and silicate-free technology for improved hard water stability
- Improved water pump life and seal life resulting from fewer dissolved solids
- More cost effective than glycol-based conventional coolants

APPLICATIONS

PrixMax RCP is suitable for use in all of the following applications where freeze protection is not required:

- Passenger cars and light commercial vehicles
- Off-road, truck and bus applications
- Stationary engines
- Marine applications

SERVICE LIFE

Equipment Type	Maximum Service Life*
Passenger Cars and Light Commercial Vehicles	6 YEARS or 250,000KMS
Heavy Duty Engines (on-road and off-road)	6 YEARS or 1,000,000KMS or 18,000 HOURS
Marine and Stationary Engines	6 YEARS or 32,000 HOURS

*Whichever comes first, provided a complete flush and fill is performed, a concentration of 7.5% 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.

APPROVALS AND SPECIFICATIONS

PrixMax RCP is **officially approved** for use according to:

- MB-Approval 312.0
- MTU (A001061/38)

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

- Bergen Engines (2.13.01)
- Detroit (DFS93K217)
- Deutz (TR0199-99-2091)
- GEC Alstom
- Holden
- Hyundai
- Jenbacher (TA 1000-0204)
- Liebherr (MD1-36-130)
- MAK
- MAN 248
- MAN B&W A/S
- MAN B&W AG
- Menag
- Mercedes-Benz (MB-Approval 312.0)
- MTU (MTL 5049)
- MWM (0199-99-2091/12)
- New Sulzer Diesel (TR 1508 - 10/94)
- Newman-Haas

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- Porsche
- SACM Diesel (DLP799861)
- Semt Pielstick
- Wärtsilä (32-9011)
- Waukesha
- Yanmar

TECHNICAL CHARACTERISTICS

Property	Method	Typical Results
Colour		Green
pH (5% vol.)	ASTM D1287	8.1
Nitrate, amine, phosphate, borate, silicate and other heavy metals content		Nil
Ethylene Glycol, wt%		Nil
Density, g/ml, 20°C	ASTM D1122	1.06
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

General

- For true long-life protection, do not mix PrixMax RCP with other coolant products.
- The coolant should be changed out at overhaul or 6 years subject to testing.
- The shelf life of the product is at least 2 years. The product should be protected from frost and direct sunlight during storage. The product should be stored above -5°C and preferably at ambient temperatures and periods of exposure to temperatures above 35°C should be minimised.
- Always dispose of the used coolant in accordance with local, state and federal guidelines.
- For frost protection against sub-zero temperatures use the ethylene glycol based concentrate PrixMax MEG95 antifreeze/coolant.
- 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.

Recommended Coolant Concentration

This product is a super concentrate and must be diluted with good quality water before use. For optimum corrosion protection for all applications, the recommended treat rate of PrixMax RCP concentrate is 75ml for every 1 litre of cooling system capacity (7.5%). At this concentration, 750ml of PrixMax RCP concentrate will treat up to 10 litres of cooling system capacity. This product can be used at a minimum concentration of 5.5% in petrol engine passenger cars, however service life may be reduced. It is not recommended to exceed a concentration level of 10% in the cooling system.

Mixing

- PrixMax RCP contains no ethylene glycol but the product is compatible with most other inhibited glycol and water based engine coolants.
- If mixed with more than 15% conventional coolant, treat the cooling system as if it contains conventional coolant or drain and flush the system and refill with PrixMax RCP at the correct concentration in demineralised or good quality water.
- 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.
- Before mixing PrixMax RCP with other coolants contact the Coolcheck® laboratories.

PACK SIZES

Part No	Pack Size
RCP-C500	500ml
RCP-C1	1 litre
RCP-C5	5 litre
RCP-P20	20 litre
RCP-D205	205 litre
RCP-B1000	1,000 litre

Please contact us for further enquiries.

TOXICITY AND SAFETY

Our proprietary organic carboxylate technology has undergone extensive independent toxicological and biodegradability testing. PrixMax RCP has a very low toxicity to aquatic fauna and mammals and is classified Readily Biodegradable (attained 84% degradation after 7 days AS4351 Part 2 testing).

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.

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

COMPANY WITH ENVIRONMENTAL SYSTEM CERTIFIED BY DNV GL = ISO 14001 =