

# Radiator Descaler

## Fast Acting Cooling System Treatment

### PRODUCT OVERVIEW

**PrixMax Radiator Descaler** is a fast acting formula designed to remove contaminants and fouling deposits found in engine cooling systems. This product is suitable for cast iron and alloy engines. Radiator Descaler will remove light rust and scale and will not affect natural or synthetic rubber hoses. Solids and scale can reduce the heat transfer efficiency of the coolant, cause over-heating and contribute to system corrosion.

### PRODUCT BENEFITS

- Fast acting formula
- Designed to remove contaminants and fouling deposits in all types of engines
- Compatible with all system metals and plastic or rubber components

### TECHNICAL CHARACTERISTICS

Property	Method	Typical Results
Colour		Blue
pH	ASTM D1287	9.6
Density, g/ml, 20°C	ASTM D1122	1.075

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 Concentrations

This product is a concentrate and must be diluted with good quality water before use. The recommended treat rate of PrixMax Radiator Descaler is 100ml for every 1 litre of cooling system capacity (10%). At this concentration, 1 litre of PrixMax Radiator Descaler will treat up to 10 litres of cooling system capacity

#### Directions for use

1. From a cold start, drain the cooling system from all low points (eg the lower radiator hose, engine block drain plug (or petcock) etc). Thoroughly flush the system with clean water to rinse out residual fluid. Dispose of old coolant and flushing fluid in accordance with environmental regulations.
2. Replace hoses and drain plugs and refill the system with PrixMax Radiator Descaler (diluted to the recommended 10% concentration).

3. Re-fit all removed hoses and drain plugs (closing all open petcocks) before attempting to run the engine as personal injury or product damage may occur.
4. Start engine and run for approximately 30 minutes, but for no less than 20 minutes to ensure opening of the thermostatic valves. Care must be taken to avoid moving or hot components while monitoring unit. **DO NOT KEEP THE PRODUCT IN THE COOLING SYSTEM FOR MORE THAN 2 HOURS.** It is important that during the descale procedure, all ports and capillaries are opened.
5. Allow to cool and drain the cooling system from all low points (eg the lower radiator hose, engine block drain plug (or petcock) etc). Observe the colour and consistency of the fluid while draining. Appropriate personal protective equipment (PPE) must be worn to avoid burns from hot fluid or chemical injury. Care must be taken to avoid environmental spills. Ensure that all fluid is captured and disposed of in accordance with environmental regulations.
6. Flush the system with clean water and refill with PrixMax Radiator Flush at the recommended concentration level according to the instructions set out in the PrixMax Radiator Flush Product Bulletin.
7. When certain that the system has been cleaned thoroughly, drain and flush with clean water (preferably demineralised water). Ensure that all flushing fluid is captured and disposed of in accordance with environmental regulations. Re-fit all removed hoses and drain plugs (closing all open petcocks) before attempting to run the engine as personal injury or product damage may occur.
8. Fill the system with the correct PrixMax coolant to suit the engine. Start the engine, checking for leaks and topping up as necessary.
9. If any fluid is spilt on paintwork, flush off immediately with clean water.

#### Heavy Duty Cleaning

For engines with "green slime", excessive scaling or severe corrosion, contact your vehicle manufacturer or distributor. Heavy duty cleaning of diesel cooling systems in particular is a specialised operation requiring a thorough knowledge of the effects of chemicals on engine components and should not be attempted by the unskilled.

## PACK SIZES

Part No	Pack Size
RDS-P20	20 litre
RDS-D205	205 litre
RDS-B1000	1,000 litre

Please contact us for further enquiries.

## TOXICITY AND SAFETY

Spent Radiator Descaler is toxic to aquatic life and should not be discharged untreated to sewers or water courses.

Place waste in appropriate containers for disposal. Dispose of spent Radiator Descaler waste in accordance with all Local, State & Federal regulations at an approved waste disposal facility.

Hazards such as chemical spills, slips, manual handling injury and equipment damage occur if products and safety procedures are not followed. PrixMax recommends that a JHA/JSA is carried out before any works. To aid in the prevention of incidents, appropriate PPE must be worn. Refer to the Safety Data Sheet for further information.

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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