

# TECHNICAL DATA SHEET

## QUAKERCLEAN® 624 MPC CLEANER AND METAL PRESERVATIVE

QUAKERCLEAN® 624 MPC is a dual purpose, mild alkaline liquid that simultaneously cleans and protects metal surfaces in a single processing step.

### Applications

QUAKERCLEAN® 624 MPC is designed for ferrous (steel and cast iron) alloys and non-ferrous (aluminum) alloys. It's unique chemical engineering allows it to offer the additional benefit of non-foaming with application pressures in excess of 2,500 psi (172 BAR), and excellent oilsplitting characteristics. It has been field proven to clean at ambient temperatures.

### Customers

- Bosch
- Honda
- General Motors
- Meritor
- JTEKT
- Volvo

### Corporate Approvals

- Chrysler NPM No. 12-270-1290
- General Motors HMCS ID No. 1181319

### Benefits

- Cleaning at ambient temperatures provides energy cost savings
- Product will provide 30-60 days of corrosion protection to the metal surface when not rinsed
- Mild alkalinity is safe for use on ferrous and non-ferrous metals, this single product can be used for two applications reducing inventory and costs
- Moderate pH makes it very worker compatible and microbiologically stable

### Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions. This product has a shelf life of 6 months, and it should be stored out of direct sunlight in temperatures between 40°F (4°C) and 100°F (38°C).

### Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Clear to slightly hazy light yellow	
Pounds per gallon at 60°F	8.93	lbs/ gal
Neat pH at 77°F	10.5	
Flash Point via COC	Boils at 100 / 212	°C/°F
Odor	Amine	
pH (5% distilled water)	9.8	
Appearance (10% dilution)	Clear, light yellow solution	



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### Fluid Maintenance

This product can be used in one- or multi-stage spray and immersion systems as defined below.

#### SPRAY EQUIPMENT

Concentration	3-5% by Volume
Temperature	Ambient to 140°F
Pressure	5-3,000 psi
Contact Time	Dependent on soil condition of part

#### IMMERSION EQUIPMENT

Concentration	4-8% by Volume
Temperature	Ambient to 150°F
Contact Time	2 - 10 minutes

Water rinsing is not necessary, as the residual film will provide short-term indoor corrosion protection. An Alkalinity Titration to determine the concentration of this product is available upon request. Please consult with your Quaker Houghton representative.

### Cleaning and Protecting

To clean and protect after the metal removal operation, use QUAKERCLEAN® (cleaners) and FERROCOTE® (corrosion preventives) to enhance process compatibility. Consult your Quaker Houghton representative.

QUAKERCLEAN® 624 MPC does not contain any strong acids, strong alkalis, nonylphenol ethoxylates (NPEs), solvents, ozone depleting compounds, silicates, phosphates or chelating agents.

No VOC at recommended use concentration and temperature. QUAKERCLEAN® 624 MPC has a mild operating pH and is nonflammable and noncombustible. Effective cleaning at ambient temperatures reduces energy costs. Excellent oil splitting characteristics extends bath life to reduce waste generation, waste treatment costs, disposal costs and water consumption.

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose. 014307

