

CLEANERS

QUAKERCLEAN® 624 MPC CLEANER AND METAL PRESERVATIVE APPLICATION SHEET

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**
- » **Non foaming**, leads to **less product consumption, lower costs** and prevents pump cavitation
- » **Fewer rejects and lower costs** from hard water compatibility and imperceptible film that facilitates gauging and the handling of parts
- » Customized oil splitting characteristics **extends bath life, reduces consumption and improves operating costs**

APPLICATIONS

QUAKERCLEAN® 624 MPC is a dual purpose, mild alkaline liquid that simultaneously cleans and protects metal surfaces in a single processing step. This product is designed for ferrous (steel and cast iron) alloys and non-ferrous (aluminum) alloys.

QUAKERCLEAN® 624 MPC'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
- » Chrysler
- » General Motors
- » JTEKT
- » Volvo

CORPORATE APPROVALS

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



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STORAGE AND HANDLING

QUAKERCLEAN® 624 MPC is available in drums (54 gal/482 lb) or totes (320 gal/2,858 lb). All containers are filled to volume by weight. This product has a shelf life of 6 months. Like most chemicals, it should be stored out of direct sunlight in temperatures between 40°F (4°C) and 100°F (38°C).

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 representative.

CONCENTRATION CONTROL

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.

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 representative.

PROPERTIES

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

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