

TECHNICAL DATA SHEET

QUAKERCLEAN® 624 CP DUAL PURPOSE CLEANER AND METAL PRESERVATIVE

QUAKERCLEAN® 624 CP 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.

Applications

QUAKERCLEAN® 624 CP will not foam and works extremely well in deburring operations with spray pressures in excess of 7500 psi (51.7 BAR).

Customers

- Chrysler
- Ford
- JTEKT
- Paccar
- Tenneco
- Electro Motive Diesel
- General Motors
- Honda
- Volvo

Corporate Approvals

- Chrysler NPM No. 12-270-6053
- Ford TOX No. 175019
- General Motors HMCS ID No. 1182432

Compatibility

To enhance process compatibility, use Quaker Houghton metalworking fluids and corrosion preventives.

Benefits

- Used to clean and protect metal surfaces in one step simplifying operations and keeping inventory costs low. Product will provide 30-60 days of corrosion protection to the metal surface when not rinsed
- Safe for use on both ferrous and non-ferrous metals. This single product can be used for two applications reducing inventory and costs
- Moderate pH and very worker compatible
- No foam generation at temperatures up to 150°F. This means less product consumption and lower costs

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 12 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	Colorless to 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	Bland	
pH (5% distilled water)	9.7	
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 145°F
Pressure	5-5,000 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.

Green Technology

QUAKERCLEAN® 624 CP 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 CP has a mild operating pH and is nonflammable and non-combustible. Effective cleaning at ambient temperatures reduces energy costs.

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. 014292

