

Mirachem QX-470

Data Sheet

[Mirachem® QX-470 Water Based Ink Remover](#) is a unique formulation designed for use in industrial printing applications. Most commonly used in flexographic, screen, and gravure printing processes, to remove water-based and UV-uncured inks, as well as textile printing inks, QX-470 is an excellent no-VOC alternative to traditional printing solvents. QX-470 is also used successfully in ink manufacturing processes.

QX-470 can be used in multiple on and off press cleaning applications, including, press maintenance and rebuilding, parts washing, and general cleaning, and is designed to be used in several cleaning methods, including, manual parts cleaners, agitation units, soak tanks, combination cleaner units, automatic spray units, and hand wipe.

Features & Benefits:

Environmental Safety	Helps meet environmental regulations for air quality, including VOC content, and wastewater systems.
Worker Safety	Non-flammable, non-fuming, non-caustic, non-corrosive, non-toxic, hydrocarbon and solvent free.
Material Compatibility	Safe to use on most surfaces, including aluminum, ferrous metals, plastics and natural & synthetic elastomers.
Product Performance	Proven to effectively remove ink in both on and off-press cleaning applications, including screen printing.
Approvals & Specifications	Internal and 3rd party testing to a variety of industry and OEM test methods and processes.

Soils Removed:

- Inks, including Flexo / Water-Based / UV & EB, Letterpress, Plastisol, Gravure, Offset / Newspaper, Screen

Compatible Materials:

- Carbon / mild / stainless steel, aluminum, and other alloys
- Plastics, vinyl
- Concrete, painted surfaces
- Neoprene, nitrile, natural / synthetic rubber and elastomers, including blankets, rollers and anilox rolls

Cleaning Methods:

Method	Dilution	Concentration	Temperature
Agitation Parts Washing	9:1 to 4:1	10 -20%	105 - 140°F
Automated Spray Cleaning	9:1 to 4:1	10 -20%	105 - 170°F
Brushes & Stick Goods	9:1 to 4:1	10 -20%	Ambient
Combination Cleaning	9:1 to 4:1	10 -20%	105 - 120°F
Floor Scrubber	9:1	10%	Ambient
Hand Wipe	9:1 to 4:1	10 -20%	Ambient
Manual Parts Washing	9:1 to 4:1	10 -20%	105 - 120°F
Soak / Dip Tank	9:1 to 4:1	10 -20%	105 - 140°F
Ultrasonic Cleaning	9:1 to 4:1	10 -20%	105 - 160°F

Approvals, Specifications & Listings:

- Meets SCAQMD Clean Air Solvent requirements as a no VOC product
 - There are no Volatile Organic Hazardous Air Pollutants (VOHAP), Ozone Depleting Compounds (ODC), or Global Warming Compounds in this product.
- RotaDyne Material Compatibility
 - Tested to be compatible with RotaDyne rollers and substrate materials.

Availability:

- 5 gallon pail, 55 gallon drum, 275 gallon tote

Technical Details:

- VOC
 - Undiluted 0 grams/Liter (0.0 lb/gal)
- pH
 - Undiluted 11.0 - 11.4
 - Use dilution 10.5 - 11.0
- Flash point Non-flammable
- Dilution Verification [TR-1262 Mirachem QX-470 Managing Fluid Dilution By % Brix](#)
- Shelf life The shelf life of unopened containers is 36 months from the date on the package.

Additional Resources:

- Product Webpage Mirachem.com/QX470
- SDS - Concentrate b.Mirachem.com/0470-101
- SDS - Use Dilution b.Mirachem.com/0470-103



About Mirachem:

Mirachem, a Heritage-Crystal Clean company, is an ISO 9001:2008 certified manufacturer and marketer of water-based cleaning solutions, providing advanced aqueous technologies to the industrial marketplace for nearly 40 years. Mirachem offers alternatives to traditional cleaning chemistries in a variety of industries and applications, with an emphasis on worker and environmental safety, material compatibility, and superior service and support.

IMPORTANT: The information contained in this document is provided in good faith and is accurate to the best of Mirachem's knowledge at the time of last revision. No warranty or guarantee, express or implied, is made regarding performance or other claims, nor regarding this product's suitability for use in a specific application. Unless otherwise indicated, health, environmental and regulatory information is based on product as used at recommended dilution. Users are encouraged to refer to the product use dilution and concentrate SDS for additional information regarding the use, handling and disposal of this product. This document is covered by [Mirachem's Content License Policy](#), and unauthorized use, duplication, or distribution is prohibited.