

Mirachem Ultrasonic XL

Data Sheet

[Mirachem® Ultrasonic XL](#) is a concentrated, aqueous cleaner designed for use in ultrasonic equipment to clean grease, oil, lubricants and other organic soils. Designed for critical industrial use, Ultrasonic XL delivers superior cleaning with advanced safety and material compatibility benefits. Mirachem Ultrasonic XL has been formulated for use in a variety of critical cleaning applications: process cleaning for manufacturing, medical device manufacturing and other cleaning activities while meeting environmental and worker safety regulations.

Features & Benefits:

Environmental Safety	Meets stringent environmental regulations for air quality, such as VOC content and VOHAPS, 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, titanium, ferrous metals, plastics and natural & synthetic elastomers.
Product Performance	Proven to effectively remove grease, oil and other organic soils.
Approvals & Specifications	Internal and 3rd party testing to a variety of industry, OEM and ASTM test methods and processes.

Soils Removed:

- Grease, oil, lubricants, fuel, carbon, dirt, plant/ animal matter and other organic based soils.

Material Compatibility:

- Carbon / mild / stainless steel, aluminum and other alloys
- Brass, bronze, copper and other yellow metals
- Neoprene, nitrile, natural / synthetic rubber and elastomers

Cleaning Methods:

Method	Dilution	Concentration	Temperature
Ultrasonic Cleaning	9:1	10%	105 - 160°F

Approvals, Specifications & Listings:

- Meets SCAQMD VOC requirement at use dilution
 - There are no Volatile Organic Hazardous Air Pollutants (VOHAP), Ozone Depleting Compounds (ODC), or Global Warming Compounds in this product.
- Industry Performance Standards
 - Meets Residue Level Testing for the Medical Device Industry

Availability:

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

Technical Details:

- VOC
 - Undiluted 75 grams/Liter (0.6 lb/gal)
 - Use dilution 7.5 grams/Liter (0.06 lb/gal)
- pH
 - Undiluted 10.5 - 11.4
 - Use dilution 10.0 - 11.0
- Flash point Non-flammable
- Dilution Verification [TR-1409 Mirachem Ultrasonic XL 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/UltrasonicXL
- SDS - Concentrate b.Mirachem.com/2104-101
- SDS - Use Dilution b.Mirachem.com/2104-103



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.

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