

# Mirachem 750

## Data Sheet

[Mirachem® 750 Low Foam Cleaner / Degreaser](#) is a non-hazardous, water-based and biodegradable degreaser. The product is designed to remove organic soils, greases and carbon, while meeting environmental regulations and OEM specifications. Safe for aluminum and exotic metals such as titanium, this product's material compatibility combined with a residue free finish makes it an excellent choice for many high quality applications.

### Features & Benefits

<b>Environmental Safety</b>	Meets stringent environmental regulations for air quality, such as VOC content and VOHAPS, and wastewater systems, including Total Toxic Organics (TTO).
<b>Worker Safety</b>	Non-flammable, non-fuming, non-caustic, non-corrosive, non-toxic, hydrocarbon and solvent free.
<b>Material Compatibility</b>	Safe to use on most surfaces, including aluminum, titanium, ferrous metals, plastics and natural & synthetic elastomers.
<b>Product Performance</b>	Proven to effectively remove grease, oil and other organic soils.
<b>Approvals &amp; Specifications</b>	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, photopolymer / UV resins and other organic based soils.

### Material Compatibility:

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

**Cleaning Methods:**

Method	Dilution	Concentration	Temperature
Agitation Parts Washing	4:1 to 2:1	20 - 33%	105 - 140°F
Manual Parts Washing	4:1 to 2:1	20 - 33%	105 - 120°F
Pressure Washing / Steam Cleaning	4:1 to 19:1	5 - 10%	Ambient to 160°F
Soak / Dip Tank	4:1 to 2:1	20 - 33%	105 - 140°F
Ultrasonic Cleaning	4:1 to 2:1	20 - 33%	105 - 160°F

**Approvals, Specifications & Listings:**

- SCAQMD Certified Clean Air Solvent at 2:1 or greater dilution
  - There are no Volatile Organic Hazardous Air Pollutants (VOHAP), Ozone Depleting Compounds (ODC), or Global Warming Compounds in this product.
- NSF Registration
  - A1 General cleaner on all surfaces in and around food processing areas not intended for food contact
- Material Compatibility
  - Boeing D6-17487 Exterior & General Cleaners
  - Douglas Aircraft Co (CSD #1) General Purpose Cleaners
  - ARP 1755B Stock Loss Test Method
  - ASTM F945 Stress Corrosion of Titanium Alloys
  - Pratt & Whitney PWA 36604 Hot Corrosion Testing of Standard Gas Turbine Engine Alloys
  - Pratt & Whitney Effect of Chemical Cleaners on Non-Metallic (O-Ring) Materials
  - BAC 5763, Type 2 Emulsion Cleaning and Aqueous Degreasing
  - ASTM D 2240 Rubber Property - Durometer Hardness
  - ASTM F 519-93 Mechanical Hydrogen Embrittlement - Plating and Aircraft Maintenance Chemicals
- Industry Performance Standards
  - ASTM G122 Standard for Effectiveness of Cleaning Agents

**Availability:**

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

**Technical Details:**

- VOC
  - Undiluted 75 grams/Liter (0.62 lb/gal)
  - 33% 25 grams/Liter (0.21 lb/gal)
  - 20% 12 grams/Liter (0.10 lb/gal)
- pH
  - Undiluted 9.5 - 10.0
  - 20% 9.0 - 9.5
- Flash point Non-flammable
- Dilution Verification
  - [TR-1527 Mirachem 750 Managing Fluid Dilution By % Brix](#)
  - [TR-1534 Mirachem 750 Managing Fluid Dilution By Titration](#)
- Shelf life The shelf life of unopened containers is 60 months from the date on the package.

**Additional Resources:**

- Product Webpage [Mirachem.com/750](http://Mirachem.com/750)
- SDS - Concentrate [b.Mirachem.com/3400-101](http://b.Mirachem.com/3400-101)
- SDS - Use Dilution [b.Mirachem.com/3400-103](http://b.Mirachem.com/3400-103)

**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 over 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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