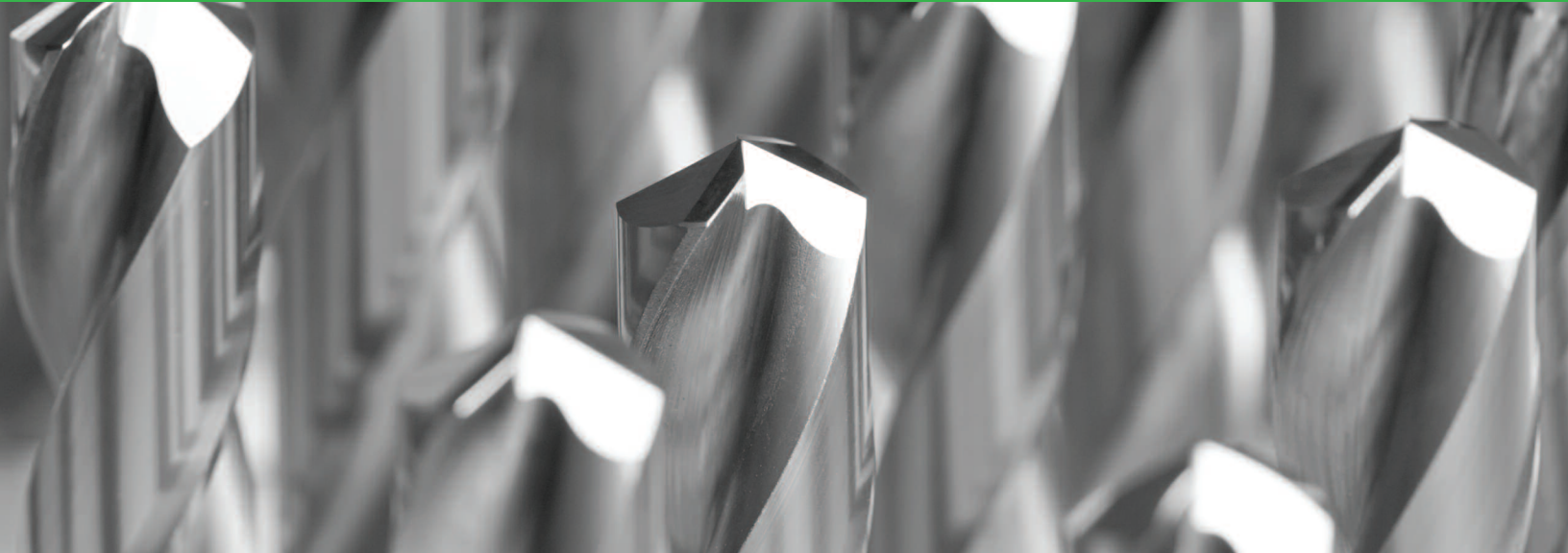




**CHAUTAUQUA  
CHEMICALS  
COMPANY**



## Immersion/Ultrasonic Cleaners

**MC 205** is a medium-duty degreaser for use in ultrasonic and soak wash systems. It can also be used in mass finishing applications. It can be left on the parts for short-term corrosion protection. It is safe on most metals and can be used on anodized aluminum.

**MC 401** is a heavy-duty degreaser for use in soak and ultrasonic wash systems. It is safe on ferrous and nonferrous metals including aluminum.

**RD 531** is a silicate-free heavy-duty detergent for use in soak and ultrasonic cleaning systems. It is to be used on steel, stainless steel and copper alloys. **RD 531** is especially effective in cleaning carbide cutting tools without cobalt leaching. It is also excellent for removal of machining oils, polishing and lapping compounds.

**Miraclean PG-100** is a heavy-duty alkaline degreaser made with **renewable resources**. It can be used as a general purpose cleaner in industrial applications.

**MC 530** is a silicate-free heavy-duty detergent for soak and ultrasonic cleaning systems. It is safe on ferrous metals only. It is excellent for removal of lapping compounds, polishing compounds and carbon. It can also be used for removal of general machine oils.

**MC 519G** is a low foam, silicate-free heavy-duty detergent for use in clean-in-place, soak and ultrasonic cleaning systems for medical implant cleaning. **MC 519G** is made

from **renewable resources**. It is safe on ferrous metals only. It is excellent for removal of buffing and lapping compounds.

**MC 400** is a silicate-free heavy-duty detergent for use in soak and ultrasonic cleaning systems. It is safe on ferrous metals only. It contains a short term corrosion inhibitor. **MC 400** is excellent for removal of buffing and lapping compounds. It can also be used for removal of general machine oils.

**MC 327** is an acid cleaner for use in immersion and ultrasonic wash systems. It is used for the oxide removal from steel, copper and brass. **MC 327** can also be used to passivate 300 and 400 series stainless steel alloys.

**QC Soak Clean 100** is a mildly alkaline metal cleaning compound with an efficient surfactant system. Designed as a non-etch soak cleaner for aluminum, it is also effective on copper, brass, zinc and ferrous metals. It is excellent for removal of marking inks, drawing compounds, buffing compounds, waxes, as well as normal shop oils.

## Spray Cleaners

**MC 201 LF** is a neutral detergent for use in spray wash systems. It is safe on ferrous and nonferrous metals including aluminum.

**MC 925 LF** is a near-neutral degreaser for use in spray wash systems. It is safe on ferrous and nonferrous metals including aluminum. It will provide **short-term** corrosion protection.

**MC 525 LF** is a heavy-duty degreaser for use in spray wash systems. It is safe on ferrous and nonferrous metals including aluminum.

**MC 990 LF** is an oil-splitting, low foam, heavy-duty detergent for use in spray wash applications on ferrous metals. It contains no chelants, glycol ethers or other solvents. It has an in-process corrosion inhibitor that will protect ferrous metal from flash rusting for 3-7 days. It is free rinsing and can be filtered to extend bath life.

**MC 660 LF** is a controlled, low foam, heavy-duty detergent for use in spray wash applications. It contains no chelants, glycol ethers or other solvents. It is free rinsing and can be filtered to extend bath life.

**QC Spray Cleaner 200** is a heavy-duty powdered degreaser for use in spray applications. It is used on ferrous and non-ferrous metals.

**MC 601 LF** is a low foam acid cleaner for use in soak, spray and clean-in-place wash systems. It is used for the removal of rust and heat treat scale from various steels. **MC 601 LF** will passivate 300 series stainless steel.

**MC 717** is a phosphoric acid cleaner for use in descaling spray wash systems. It is used for the removal of rust and heat treat scale from various steels.

## Maintenance Cleaners

**ICU** is a specialized blend of surfactants for use on glass, mirrors and hard surfaces. ICU is a ready to use product.

**Power Green Glass Cleaner** is a specialized blend of surfactants made from renewable resources for use on glass and hard surfaces. It is a VOC-free product and ready to use.

**Miraclean SG** is a slightly alkaline degreaser for use as a general purpose cleaner in industrial applications. It can also be used in ultrasonic and soak wash systems.

**Miraclean Power Green** is a slightly alkaline degreaser made with **renewable resources** and can be used as a general purpose cleaner in industrial applications.

**Miraclean Power Green HD** is an alkaline degreaser made with **renewable resources** and can be used as a general purpose cleaner in industrial applications such as machine cleaning, floor cleaning, general surface cleaning, parts cleaning as well as safe for use in food manufacturing environments when rinsed with potable water.

**MC 40** is a general-purpose use cleaner with **built-in rust**

**inhibitors**. It is safe on ferrous and nonferrous metals including aluminum. It can be used as a floor cleaner for waxed and epoxy floors. It is excellent for general cleaning of machine shops.

**MC-1** is a general-purpose degreaser for use in maintenance applications. It can be used in wipe on / wipe off applications or as a floor cleaner. It is safe on ferrous and nonferrous metals including aluminum.

**QC 5 Floor Cleaner** is a high alkaline cleaner for general use and for automatic floor scrubbing machines. It can also be used by mopping at various concentrations.

**QC 9 Floor Cleaner** is a moderate strength alkaline cleaner for general use and for automatic floor scrubbing machines. It can also be used by mopping at various concentrations.

## Rust Preventatives

**QC 1030C Inhibitor** is a low foaming, water soluble corrosion inhibitor designed for use on steel and iron in various metalworking applications. It provides humidity cabinet protection. The performance properties of **QC 1030C Inhibitor** are not affected by water hardness, and aqueous films dry down to non-tacky residues.

**QC 1208 Inhibitor** is a low foaming, water soluble corrosion inhibitor designed for use on steel and iron in various metalworking applications. It will passivate steel surfaces due to the selected corrosion inhibitors. It may be used as a final rinse after plating, cleaning, pickling, phosphating, black oxidizing, tumbling, wet grinding, heat treating or general machine shop use between operations. It does not contain any nitrates.

**QC 240 Inhibitor** is a low foaming, water-soluble corrosion inhibitor designed for use on steel and iron in various metalworking applications. It provides humidity cabinet protection. The performance properties of **QC 240 Inhibitor** are not affected by water hardness, and aqueous films dry down to non-tacky residues.

**QC 826 Inhibitor** is a high performance, low foaming, water-soluble corrosion inhibitor designed for use on steel and iron in various metalworking applications. **QC 826 Inhibitor** provides humidity cabinet protection. The performance properties of **QC 826 Inhibitor** are not affected by water hardness, and aqueous films dry down to non-tacky residues.

**QC Rust Preventative NW** is a low foaming, water soluble corrosion inhibitor designed for use on steel and iron in various metalworking applications. It provides indoor protection. The performance properties of **QC Rust Preventative NW** are not affected by water hardness.



*QC Rust Preventative NW is a Sodium Nitrite based product.*

**QC 2326 Inhibitor** is a highly effective, non-barium corrosion inhibitor. It is a brown liquid with a combination of corrosion inhibitors and emulsifiers in an oil base. When added to water, it may be used as an immersion rust proofing liquid emulsion that will provide excellent humidity cabinet and salt spray protection.

**QC 165HF Inhibitor** is a water displacing, non-staining rust preventative which will rapidly separate water displaced from metal surfaces after machining operations or alkali cleaning. It leaves an ultra-thin film, which will protect ferrous metals from atmospheric corrosion even under high humidity conditions. **QC 165HF Inhibitor** does not contain barium compounds.

**QC 2213 HF Inhibitor** is a high flash point water displacing, non-staining rust preventative, which will rapidly separate water displaced from metal surfaces after machining operations or alkali cleaning. It leaves a thin film, which will protect ferrous metals from atmospheric corrosion even under high humidity conditions. **QC 2213 HF Inhibitor** will also provide limited salt spray protection and will act as a lubricant.

**MIRATEC C.O.B.** is a multi-metal corrosion inhibitor for copper, brass, and bronze, aluminum, zinc and steel. It protects by forming a barrier film which limits contact with corrosive ions.

**MIRATEC CP-50** is a blend of corrosion inhibitors for copper, brass and bronze. It protects by forming a very thin virtually colorless film.

## Mass Finishing

**QC 12C** has a near neutral pH and is a tumbling compound which has excellent burnishing capabilities. It may be used in vibratory, conventional barrel or new high speed mass finishing operations. **QC-12C** is particularly effective on steel.

**QC 1130B** mildly alkaline compound which has excellent burnishing capabilities. It may be used in vibratory, conventional barrel or new high speed mass finishing operations. **QC 1130 B** provides excellent short term corrosion protection.

**MC 740L** is a light green colored, mildly acidic tumbling compound which has excellent burnishing capabilities. It may be used in vibratory, conventional barrel or new high speed mass finishing operations. It can be used on, brass, copper, aluminum, steel and stainless steel

**MC 120** is a blue colored, mildly acidic tumbling compound which has excellent burnishing capabilities. It may be used

in vibratory, conventional barrel or new high speed mass finishing operations. It can be used on, brass, copper, aluminum and stainless steel

**LF 880** is a powdered, near neutral pH burnishing compound which has excellent burnishing capabilities. It may be used in vibratory, conventional barrel, or new high speed mass finishing operations. It is particularly effective on copper and brass base metals imparting a high luster on copper and copper alloys.

**MC 301** is a medium-duty degreaser for use in vibratory, centrifugal, and spray wash systems. It is safe on most ferrous metals.

**QS 100** is a mild alkaline degreaser for use in vibratory, centrifugal and soak wash systems. It can be left on the parts for short term corrosion protection. It is safe on most metals.

**MC 360N** is a heavy-duty degreaser with corrosion protection for use in vibratory and centrifugal systems. It is to be used on ferrous metals only (contains sodium nitrite).

**MC 960** is a heavy-duty degreaser with corrosion protection for use in vibratory and centrifugal systems. It is to be used on ferrous metals only (nitrite free).

**CT 193** is newly developed surface finishing compound used for accelerated surface refinement. It is non-hazardous and environmentally friendly. **CT 193** used with mass finishing equipment lowers Ra, reduces friction on surfaces and improves corrosion resistance.

## Pre-Treatment

**Acid Salt 829** is a dry powder containing acid salts and surface active agents. It is for use with water on all metal as a replacement for mineral acids.

**Acid Salt 839** is a dry powder containing acid salts and surface active agents. It is for use with water on all metal as a replacement for mineral acids.

**Acid Salt 40** is a two-part system that is added to water to produce a non-fuming pickling solution for copper, brass, aluminum and other non-ferrous alloys. It is a dry powder containing acid salts and surface active agents. It is very effective in activating alloys of leaded brass, beryllium copper, phosphor bronze and tin lead solder prior to plating.

**Acid Salt 40** removes oxides and produces a smooth, lustrous surface, which in turn will plate bright from a plating solution. It is non-fuming, requires no ventilation, eliminates handling and storage of carboys and is more economical to use. ***\*\*Read entire technical data sheet before using this product***



**Activator 34** is a dry powder containing acid salts and surface active agents. It is for use with water on metal as a replacement for mineral acids. It is very effective on zinc die cast alloys, tin, lead, leaded brass, bismuth alloys, white metals, beryllium copper.

**MIRAPIC AS-839L** is a liquid version of **Acid Salt 839**. It is a blend of acid salts and surfactants. It is used for activating steel, copper alloys, and zinc. *Unlike conventional mineral acids, dilution with water produces less heat.* **Normal precautions when working with mineral acids should be used.**

**MIRAPIC ME-815** is a water soluble, dry powder containing acid salts. It has been formulated to deoxidize and activate copper, copper alloys, and certain aluminum alloys. **MIRAPIC ME-815** contains no phosphate, fluorides, chromate, ammonia, nitrate or chloride. It will restore copper appearance on copper alloys, enhance appearance of brass alloys that are de-zincing at the surface, and be used as a chromate-free deoxidizer on certain aluminum alloys.

**MIRAPIC AS-889** is a dry powder containing acid salts. It is for use with water as a replacement for mineral acids for pickling scale, rust and oxides and activation of metal surfaces prior to plating.

**MIRAPIC ME-810** is a water soluble, dry powder containing fluoride-bearing salts which can be used to replace hazardous hydrofluoric acid (1 oz./gal. of **MIRAPIC ME-810** in water with the addition of sulfuric, nitric or hydrochloric acid is equivalent to 1% by volume of 60% hydrofluoric acid).

**MIRAPIC ME-811** is a water soluble, dry powder containing acid salts with the addition of nitric to process Zamak-3 (Mix 1) zinc die castings and high silicon aluminum (Mix 2). Both mixes result in a leveled and fine-grained activated surface for post-seeding chemical or electroplating operations.

**Miraclean IC-290** is a heavy-duty phosphate-free powdered degreaser for use in soak applications. It is used on steel and brass only.

**QC Soak Clean 500** is a mildly alkaline metal cleaning compound with an efficient surfactant system. Designed as a non-etch soak cleaner for aluminum, it is also effective on copper, brass, zinc and ferrous metals. It is excellent for removal of marking inks, drawing compounds, buffing compounds, waxes, as well as normal shop oils.

**MC 400** is a heavy-duty liquid cleaner for use in soak applications. It is used on steel, stainless steel, and copper

alloys only. It is excellent for removal for lapping compounds and machining.

**Miraclean EC-179** is a dry, highly alkaline, granular product with high sequestering ability and high surfactants. It is used on ferrous metals only.

**Miraclean EC-140** is a highly alkaline liquid electro-cleaner for ferrous metals, copper and copper plated work. It has been formulated to be free rinsing, high conductivity and low foam and can also be used as a spray cleaner. **Miraclean EC-140** will also keep plating barrels and other equipment clean and free of oils.

**Miraclean EC-220** is a highly alkaline liquid soak and electro-cleaner for ferrous metals, copper and copper plated work. It has been formulated to be free rinsing, high conductivity (62 mS/cm @ 5%) and low foam for continuous plating lines. **Miraclean EC-220** will remove a variety of soils including oils, greases and lubricants and can also be used as a spray cleaner. It will keep plating barrels and other equipment clean and free of oils.

**Miraclean EC-315** is a concentrated liquid surfactant package for use as a component of an electro cleaner for steel and stainless steel. It is highly alkaline and is excellent in aiding the removal of soils in an electro-cleaner.

**Miraclean S-170** is a concentrated liquid surfactant package for use as a component of a soak cleaner for ferrous alloys. It is excellent for removal of oils and grease from ferrous metals.

**Miraclean LB-620** is a concentrated liquid caustic product for use as a component of a soak or electro cleaner for steel. It is excellent for removal and emulsification of oils and grease from ferrous metals.

**Miraclean Deox** is a liquid acidic compound designed to remove oxides, stains and smut from stainless steel, aluminum, copper, brass, zinc, magnesium, titanium, zirconium and inconel.

**Miraclean Deoxidizer 500** is a liquid acidic compound designed to remove oxides, stains, and smut from stainless steel, aluminum, copper, brass, zinc, magnesium, titanium, zirconium and Inconel.

**Miraclean SS Etch** is a liquid acidic compound designed to etch and condition stainless steel surfaces prior to brazing, rubberizing or resin coatings. It is stabilized to deliver a uniform and specific etch rate over a long period of time.

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