



CHEMCOX

KEEPING WORLD IN MOTION

CHEMCOX SPECIALITY CHEMICALS AND LUBRICANTS

Innovating Chemistry. Powering Industry.



TRUSTED
QUALITY



INNOVATIVE
SOLUTION



SUSTAINABLE
FUTURE



PRODUCT RANGE

Advanced Chemistry.
Superior Performance.



CHEMCOX

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OUR PRODUCT PORTFOLIO



CLEANING & DEGREASING CHEMICALS

High performance cleaners for diverse industrial applications.



FERROUS & NON-FERROUS CLEANING CHEMICALS

Specialized solutions for ferrous and non-ferrous metal components.



ENERGY EFFICIENT CLEANER FOR AMBIENT TEMP. (COLD WASHING)

Effective cleaning at ambient temperature for energy savings and better results.



CLEANER FOR HEAT TREATMENT

Effective scale and oxide removal for improved process efficiency.



COPPER & BRASS CLEANER

Restores shine and purity to copper, brass and their alloys.



SOLVENT CLEANER

Powerful solvent based cleaners for tough contaminants.



RUST REMOVER

Removes rust and corrosion effectively, protects metal surfaces.

CHEMCOX SPECIALITY CHEMICALS AND LUBRICANTS

CHEMCOX Speciality Chemicals and Lubricants is a leading manufacturer of advanced aqueous cleaners and premium metalworking fluids, backed by strong research and development capabilities. Our innovative solutions are designed to meet the evolving needs of industries including Automotive OEMs, Auto Components, General Engineering, Metals, Medical, Defence, and Aerospace.

With an unwavering commitment to innovation, superior quality, and sustainability, **CHEMCOX** delivers high-performance products that enhance productivity, clean component, and support efficient, environmentally responsible manufacturing processes.

PRESENCE ACROSS NATION



INNOVATION
Driven Solutions



QUALITY
You Can Trust



SUSTAINABILITY
For a Better Tomorrow



OUR PRODUCTS

High performance specialty chemicals designed for superior cleaning, protection and surface enhancement.

SL. NO.		PRODUCT	APPLICATION
01		CHEMCOX 5053-AF	LOW FOAM CLEANER FOR ULTRASONIC & SPRAY FOR FERROUS & NON-FERROUS
02		CHEMCOX ULTRA-5054	ULTRASONIC CLEANER FOR FERROUS & NON-FERROUS
03		CHEMCOX 7011-TH	SPRAY & ULTRASONIC CLEANER FOR FERROUS METAL FOR AMBIENT TEMPERATURE (COLD WASHING)
04		CHEMCOX 7010-AL	LOW FOAM CLEANER FOR ULTRASONIC & SPRAY FOR ALUMINIUM
05		CHEMCOX 5052-CB	COPPER & BRASS CLEANER
06		CHEMCOX AQ RP 5029	WATER SOLUBLE RUST PREVENTIVE FOR FERROUS
07		CHEMCOX 5051-RR	RUST REMOVER
08		CHEMCOX AL SHINER	ALUMINIUM SHINER



INNOVATIVE FORMULATIONS

Advanced chemistry for superior performance.



TRUSTED QUALITY

Consistent quality with rigorous testing.



SUSTAINABLE SOLUTIONS

Environment responsible chemicals for a better tomorrow.





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CHEMCOX 5053-AF



PRODUCT DESCRIPTION

CHEMCOX 5053-AF is a phosphate-free, mild alkaline, low-foaming aqueous industrial cleaner formulated for efficiency in ultrasonic, ultrasonic and immersion cleaning applications. It effectively removes oils, metalworking fluids, swarf, dirt, and particulate contaminants from ferrous and non-ferrous components while providing excellent surface cleanliness, superior rinsability, and short-term corrosion protection across a wide range of operating conditions.



APPLICATION

- Designed for spray and immersion cleaning of ferrous and non-ferrous components after machining operations.
- Recommended for cleaning automotive and engineering parts including cylinder heads, cylinder blocks, camshafts, crankshafts, gears, housings, pistons, and precision-machined components.
- Effectively removes oils, metalworking fluids, rust preventive oils, swarf, and fine particulate contaminants.
- Suitable for industrial spray, ultrasonic and immersion cleaning machines.
- Can be used as a pre-treatment cleaner before heat treatment, assembly, coating, or painting.
- Recommended operating concentration: 3–5% depending on contamination level.



EFFECTIVE CLEANING

Removes oils, MWF, swarf, dirt & particulates efficiently.



EXCELLENT SURFACE CLEANLINESS

Provides bright, clean surfaces with superior rinsability.



SHORT-TERM CORROSION PROTECTION

Offers short-term protection for components during cleaning.



WIDE OPERATING RANGE

Performs consistently across a wide range of operating conditions.

CHEMCOX ULTRA-5054



PRODUCT DESCRIPTION

CHEMCOX ULTRA-5054 is a high-efficiency, mild alkaline aqueous cleaner developed for precision ultrasonic and immersion cleaning processes. Its advanced formulation effectively removes oils, metalworking fluids, rust preventive oils, swarf, dirt and contaminants from ferrous and most non-ferrous metals, ensuring superior surface cleanliness and consistent process performance across diverse manufacturing operations.



APPLICATION

- Developed for ultrasonic and immersion cleaning of precision-machined ferrous and non-ferrous components.
- Recommended for automotive, engineering, aerospace, and general industrial applications, including cylinder blocks, cylinder heads, pistons, camshafts, crankshafts, transmission housings, and other critical components.
- Effectively removes oils, metalworking fluids, rust preventive oils, swarf, polishing residues, fine metallic particles and contamination.
- Suitable for critical cleaning before heat treatment, surface finishing, coating, assembly, or inspection.
- Recommended operating concentration: 3–5%, depending on the contamination level and process requirements.



HIGH CLEANING EFFICIENCY

Removes oils, MWF, rust preventive oils, swarf & contaminants effectively.



SUPERIOR SURFACE CLEANLINESS

Ensures excellent surface cleanliness and consistent process performance.



MATERIAL COMPATIBILITY

Safe for ferrous and most non-ferrous metals.



PROCESS RELIABILITY

Delivers consistent results in ultrasonic and immersion processes.



EFFECTIVE CLEANING
Removes oils, swarf and contaminants.



PROCESS FRIENDLY
Low foam, easy rinsing and disposal.



COST EFFICIENT
Lower concentration and operating cost.



SUSTAINABLE CHOICE
Designed for a cleaner and greener future.



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CHEMCOX 7011-TH



PRODUCT DESCRIPTION

CHEMCOX 7011-TH is an energy efficient aqueous cleaner engineered for high-efficiency spray, ultrasonic and immersion cleaning of ferrous metal components. Its advanced formulation effectively removes oils, metalworking fluids, sticky rust preventive oils, swarf, and particulate contaminants while delivering excellent wetting, rapid oil separation, residue-free surfaces, and water mark-free finishes, even at ambient operating temperatures (cold washing).



APPLICATION

- Developed for ambient-temperature (cold washing) spray, ultrasonic and immersion cleaning of ferrous metal components.
- Ideal for automotive and engineering parts, including cylinder blocks, cylinder heads, camshafts, crankshafts, gears, shafts, piston parts, and other precision-machined components.
- Effectively removes oils, metalworking fluids, sticky rust preventive oils, swarf, and fine particulate contaminants. It works well with and without heating.
- Recommended for critical cleaning prior to heat treatment, assembly, surface finishing, or final inspection.
- Suitable for spray jet washing machines, ultrasonic cleaning systems, dunking (immersion) tanks, and automated washing equipment.
- Recommended operating concentration: 3–5%, depending on the type and severity of contamination.



ENERGY EFFICIENT

Effective cleaning at ambient temperature (cold washing), saving energy and cost.



SUPERIOR CLEANING

Removes oils, MWF, rust preventive oils, swarf & fine contaminants.



RAPID OIL SEPARATION

Ensures quick oil separation and easy maintenance.



SURFACE FRIENDLY

Delivers residue-free, water mark-free finishes.



AMBIENT PERFORMANCE

Excellent cleaning performance even at ambient temperatures.

CHEMCOX 7010-AL



PRODUCT DESCRIPTION

CHEMCOX 7010-AL is a phosphate-free, mild alkaline, low-foaming aqueous cleaner specially formulated for ultrasonic, spray, and immersion cleaning of aluminium and aluminium alloy components. It effectively removes oils, metalworking fluids, swarf, dirt, and particulate contaminants, ensuring excellent surface cleanliness, superior rinsability, stain-free surfaces, and consistent cleaning performance across a wide range of industrial cleaning applications.



APPLICATION

- Designed for ultrasonic, spray, and immersion cleaning of aluminium and aluminium alloy components after machining operations.
- Ideal for cleaning automotive, aerospace, and precision engineering components, including cylinder heads, cylinder blocks, pistons, transmission housings, and valve bodies.
- Effectively removes oils, metalworking fluids, rust preventive oils, swarf, and fine particulate contaminants.
- Suitable for industrial spray washers, ultrasonic cleaning systems, and immersion cleaning equipment.
- Recommended operating temperature: approximately 50°C.
- Recommended operating concentration: 3–5%, depending on the type and severity of contamination.



PHOSPHATE-FREE

Environmentally responsible and operator friendly.



EXCELLENT CLEANLINESS

Removes oils, MWF, swarf, dirt & particulates effectively.



SURFACE SAFE

Stain-free, bright and consistent cleaning performance on aluminium surfaces.



VERSATILE APPLICATION

Effective in ultrasonic, spray, and immersion cleaning operations.



OPTIMUM PERFORMANCE

Works best at approximately 50°C for superior cleaning results.



SAFE FOR COMPONENTS
Mild on metals, tough on dirt.



PROCESS FRIENDLY
Low foam, easy rinsing and disposal.



COST EFFECTIVE
Longer bath life and lower operating cost.



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Designed for a cleaner and greener future.



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CHEMCOX 5052-CB



PRODUCT DESCRIPTION

CHEMCOX 5052-CB is a high-performance, ammonia-free cleaner specially formulated for rapid cleaning and brightening of brass and copper metal surfaces. It effectively removes oxidation, tarnish, stains, and surface contaminants, restoring the original metallic lustre while providing a clean, bright, and polished finish without damaging the substrate.



APPLICATION

- Recommended for cleaning and brightening brass, copper, bronze, and other yellow metal alloys components.
- Effectively removes oxidation, tarnish, stains, fingerprints, and light surface contaminants.
- Suitable for industrial components, electrical parts, decorative hardware, fittings, instruments, and fabricated metal products.
- Ammonia-free, non-abrasive formulation ensures safe cleaning without scratching or etching metal surfaces.
- Suitable for manual cleaning applications using a gloves, soft cloth, sponge, or brush.
- Restores the natural metallic appearance while leaving a bright, polished, and residue-free surface.
- Ideal for maintenance, restoration, and pre-assembly cleaning applications.



RAPID BRIGHTENING ACTION

Rapidly removes oxidation, tarnish, stains and restores original lustre.



AMMONIA-FREE FORMULATION

Safe, non-abrasive and effective cleaning without damaging the surface.



BRIGHT, POLISHED FINISH

Leaves a clean, bright and residue-free metallic surface.



VERSATILE APPLICATION

Ideal for maintenance, restoration, and pre-assembly cleaning.



PRODUCT DESCRIPTION

CHEMCOX AQ RP 5029 is a water-miscible, multipurpose corrosion preventive fluid formulated to provide reliable short- to medium-term protection for ferrous components. It forms a uniform, continuous protective invisible film after application, offering excellent corrosion resistance, stable solution characteristics even at high temperature, and easy removability with alkaline cleaners but in most of the cases it does not require to be cleaned, making it ideal for inter-process and storage protection.



APPLICATION

- Recommended for inter-process and storage protection of ferrous and phosphated metal components.
- Suitable for dip application using water-based solution to form a continuous, uniform corrosion protective film.
- Ideal for preserving semi-finished components, machined parts, tools, files, and packed metal products during storage and transportation.
- Can be used as a corrosion inhibitor in closed-loop cooling systems, hydraulic equipment, and hot water circulation systems.
- May be applied neat where enhanced corrosion protection is required.
- The protective film is removable using aqueous alkaline cleaners before subsequent processing or assembly but in most of the cases cleaning is not required.



EXCELLENT CORROSION PROTECTION

Provides short- to medium-term protection for ferrous components.



WATER-MISCIBLE & EASY TO USE

Forms a uniform, invisible protective film for reliable performance.



THERMAL STABILITY

Stable solution characteristics even at high temperature.



EASY REMOVABILITY

Removable with alkaline cleaners but in most cases cleaning is not required.



IDEAL FOR INTER-PROCESS & STORAGE

Perfect for manufacturing, storage, and transportation protection.



SUPERIOR PROTECTION

Protects metals from corrosion and damage.



ECO-FRIENDLY

Ammonia-free and environmentally responsible.



HIGH PERFORMANCE

Delivering consistent results in every application.



VERSATILE SOLUTIONS

Suitable for multiple industries and applications.



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CHEMCOX 5051-RR



PRODUCT DESCRIPTION

CHEMCOX 5051-RR is a high-performance, water-based rust remover formulated for rapid and effective removal of rust, oxidation, and corrosion deposits from ferrous metal surfaces. Its fast action formulation restores metal surfaces without sanding or abrasive cleaning for maintenance, restoration, and industrial applications.



APPLICATION

- Recommended for immersion cleaning of rusted ferrous components, tools, fabricated parts, and maintenance equipment.
- Pre-clean components to remove oil, grease, or heavy dirt before rust removal.
- Completely immerse the component in CHEMCOX 5051-RR until rust is dissolved; typical treatment time is 10–20 minutes, depending on the extent of corrosion.
- After treatment, immediately rinse thoroughly with clean water, dry the metal component and apply Rust Preventive.
- For long-term protection, apply CHEMCOX 5051-RR Water-Based Rust Preventive after drying to prevent flash rusting and subsequent corrosion.



POWERFUL RUST REMOVAL

Rapidly removes rust, oxidation and corrosion deposits effectively.



FAST ACTION FORMULA

Works quickly to restore clean metal surfaces in minutes.



METAL SAFE & EFFECTIVE

Restores metal surfaces without sanding or abrasive cleaning.



WATER-BASED & EASY TO USE

Easy to dilute, use and rinse for hassle-free operation.



LONG-TERM PROTECTION

Use with Rust Preventive for extended protection against flash rust and corrosion.

CHEMCOX AL SHINER



PRODUCT DESCRIPTION

CHEMCOX AL SHINER is a high-performance aqueous brightening solution specially formulated for immersion treatment of aluminium and aluminium alloy components. It effectively restores the natural metallic lustre by removing surface oxidation and dullness while producing a clean, bright, residue-free finish. Its controlled formulation preserves the original surface quality without causing measurable metal loss.



APPLICATION

- Developed for brightening of aluminium and aluminium alloy components after machining, fabrication, or surface treatment.
- Recommended for restoring the original metallic appearance of cast, extruded, and precision-machined aluminium parts.
- Pre-clean components to remove oil, grease, and heavy contaminants before immersion treatment.
- Immerse components in the prepared CHEMCOX AL SHINER solution until the desired surface brightness is achieved.
- Produces a uniform, bright, residue-free finish without staining, water marks, or measurable metal loss.
- Recommended operating concentration: 2–4%, depending on the application and surface condition.



EXCELLENT BRIGHTENING

Restores natural metallic lustre and original surface quality.



REMOVES OXIDATION & DULLNESS

Effectively eliminates oxidation, discoloration and surface dullness.



RESIDUE-FREE FINISH

Delivers a clean, bright finish without staining, water marks or residues.



SAFE & CONTROLLED FORMULATION

Preserves the surface without causing measurable metal loss.



VERSATILE & EASY TO USE

Suitable for a wide range of aluminium and aluminium alloy components.



EFFECTIVE PROTECTION

Protects metal surfaces and extends life.



ENVIRONMENT FRIENDLY

Water-based and safe for operators.



COST EFFICIENT

Reduces maintenance time and cost.



RELIABLE PERFORMANCE

Consistent results every time.



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