



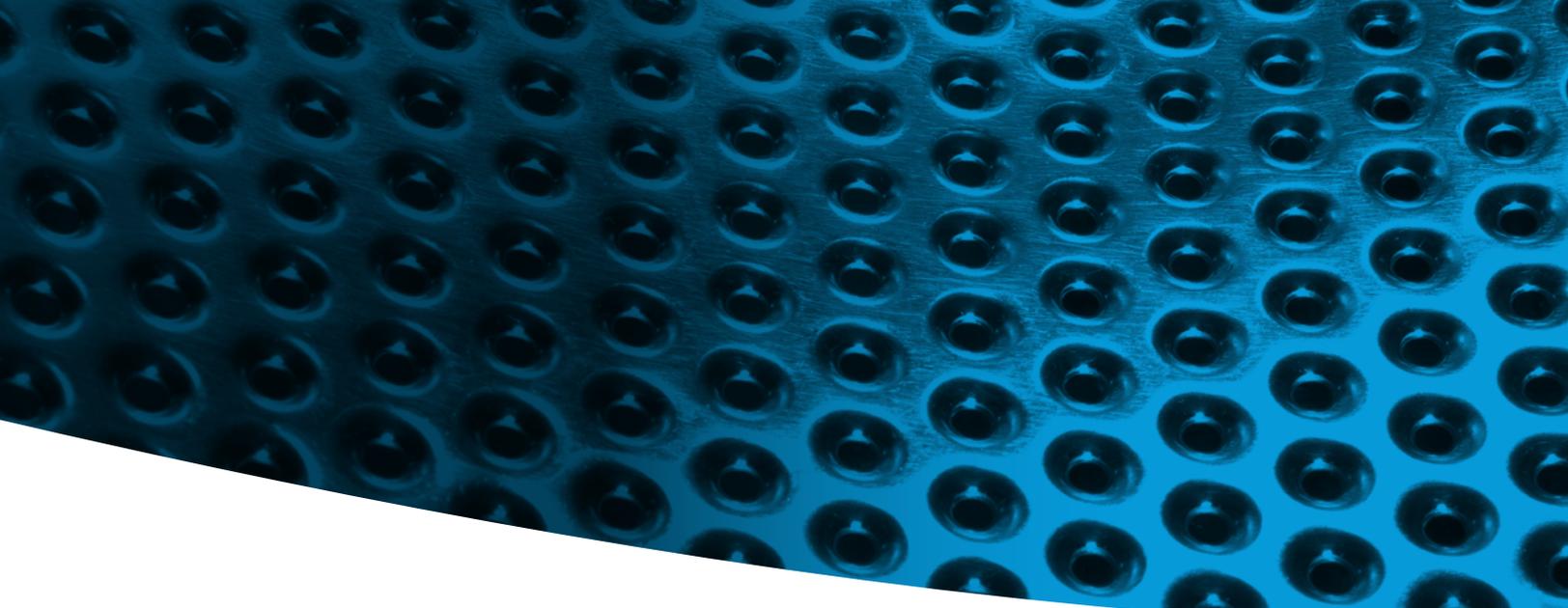
METAL CLEANING



Keeping Metals Clean Together.

Quaker Houghton Product Offerings for Metal Cleaning





Overview

In an industrial setting, there is constant and essential requirement for cleanliness. With unclean surfaces, manufacturers face challenges ranging from part defects, corrosion, and downstream compatibility issues to slip and fall hazards. **Spray and immersion process cleaners** are needed to remove oils, residues, and fines from metal strip and parts while **maintenance cleaners** keep work areas and equipment clean from the accumulation of oils, greases, and dirt coming from the manufacturing environment.

Our chemists have a vast knowledge formulating cleaners for even the toughest applications. We understand your complex operations and know where in your process a cleaning stage will optimize your productivity. To determine the best solution, we work closely with our customers to evaluate their soil type, surface to be cleaned, system type, equipment, downstream processes, and application method. Our industry leading cleaners are supported by an experienced sales team and global full-service, state-of-the-art laboratories offering expert technical support.

Spray Process Cleaners

QH EXOMAX™ 5378

Cleaning compound designed to economically remove quench oils between quenching and tempering operations. It has excellent oil splitting capabilities allowing for the reclaiming of both cleaner and oil and extending bath life. Try our biostable version, CERFA-KLEEN® 178.

QUAKERCLEAN® 680 EV

Formulated to provide ZERO VOCs and reduced BOD/ COD content. It cleans mild to moderate soil loads and provides excellent RP protection for ferrous parts and machine components.

QUAKERCLEAN® 680 VDA

Cleans mild to moderate soil loads on ferrous and nonferrous surfaces while drying rapidly to leave an imperceptible, thin film that can provide up to 60 days corrosion protection.

QH EXOMAX™ 154

A phosphate-free, biostable high pressure spray wash cleaner with Automotive OEM approvals. It is free-rinsing and will not leave a residue.

QH EXOMAX™ 5398

A non-nitrited low residue spray cleaner with short-term rust protection. It holds approvals at Honda and Ford.

QH EXOMAX™ 5380

A low temperature, non-nitrited, non-foaming spray cleaner with short-term in-plant rust protection. It holds approvals at Honda, Ford, and FCA.

Immersion Process Cleaners

QH EXOMAX™ P 2512

Immersion cleaner for ferrous and aluminum, with in-process rust protection. It emulsifies the oil off of the parts. Use at 140°F max. Also a good vibratory cleaner.

QH EXOMAX™ 5334

Effective in ultrasonic applications where oil removal equipment is in place. Phosphated with a grease cutter. Good oil splitter.

QUAKERCLEAN® 525 TK

A mild alkaline liquid immersion cleaner for ferrous and non-ferrous alloys that simultaneously cleans and protects metal surfaces in a single processing step.

Maintenance Cleaners

QH EXOMAX™ F 1410

One of the most versatile and effective floor and general purpose shop cleaners. Silicate-free for ultrafilter compatibility and NPE-free for waste treatment concerns.

QH EXOMAX™ 5519

Mild detergent type cleaner for general equipment clean up. It is an economical blend of alkali, detergents, and solvents formulated for use in cleaning floors, walls, machinery, etc. It can be used neat or diluted for hand or spray application. It is free rinsing and leaves no appreciable residue.

QUAKER FORMULA® PURE BLUE™

A water-based maintenance cleaner formulated for superior cleaning. It has a mild soapy scent and nearly neutral pH.

HOCUT® SYM-C

General purpose maintenance and sump cleaner designed to clean swarf and soils from coolant sumps. It is compatible with most Quaker Houghton machining coolants. This in-production cleaner minimizes downtime and is also available in a solvent free MTC 53 version.

Product Properties

PROPERTY	SOIL TYPE	TYPE OF CLEANER	DESCRIPTION	PROVIDES RUST PROTECTION	FERROUS AND NON-FERROUS	LOW FOAM
QH EXOMAX™ 154	Coolants, Low Viscosity Straight Oils	Spray - Biostable	Slight Oil Rejection	No	Yes	Yes
QH EXOMAX™ F 1410	Shop and Floor Greases	Floor Cleaner Degreaser	Emulsifying	No	Yes	No
QH EXOMAX™ 5334	Coolants Medium Viscosity Straight Oils	Spray or Immersion	Oil Rejecting	Up to 1 Week	Yes	Yes
QH EXOMAX™ 5354	Coolants Low Viscosity Straight Oils	Spray - Biostable	Slight Oil Rejection	Up to 1 Week	Yes	Yes
QH EXOMAX™ 5378	Quench Oils	Quench Oil Cleaner Spray	Oil Rejecting	1-2 Days	Ferrous Only	Yes
QH EXOMAX™ 5380	Coolants, Low Viscosity Straight Oils	Spray	Oil Rejecting	2 - 4 Weeks	Yes	Yes
QH EXOMAX™ 5398	Coolants, Low Viscosity Straight Oils	Spray	Slight Oil Rejection	Up to 1 Week	Ferrous Only	Yes
QH EXOMAX™ P 2512	Medium Viscosity Oils	Immersion	Emulsifying	In Process	Yes	Yes
QH EXOMAX™ 5519	Greases and Harder Residues	Immersion or Power Washer	Emulsifying	In Process	Ferrous Only	No
HOCUT® SYM C	Greases and Machine Tools	Machine Sump Cleaner	Emulsifying	No	Yes	No
QUAKERCLEAN® 525 TK	Quench Oil, Coolant, Soil	Immersion	Oil Rejecting	Up to 1 Week	Not intended for use on aluminum alloys	No - Immersion washers only
QUAKERCLEAN® 680 EV	Coolant, Oil, Soil	Spray or Immersion	Oil Rejecting	Up to 60 Days	Yes	Yes - Pressure up to 3,000 psi
QUAKERCLEAN® 680 VDA	Coolant, Oil, Soil	Spray or Immersion	Oil Rejecting	Up to 60 Days	Yes	Yes - Pressure up to 3,000 psi
QUAKER FORMULA® PURE BLUE™	Soil, Oil, Grease	Maintenance	Emulsifying	No	Yes	No

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