



Metal Cutting

Description

Emulsifiable Oils	
Hocut 787 Series	Capable of working in many applications on a wide variety of metals. Clean-running, EP-fortified and compatible with hard water, which assures long, odor-free sump life. Provides corrosion protection without staining and affords good lubrication for machine ways and indexing mechanisms.
Hocut 795 Series	Capable of working in many applications on a wide variety of metals. Clean-running, biostable and compatible with hard water, which assures long, odor-free sump life. Provides corrosion protection without staining and affords good lubrication for machine ways and indexing mechanisms.
Hocut 797 Series	Competitively priced, and biostable, low-foaming, semi-synthetic coolants for general-purpose machining and grinding.
Straight Oils	
Cindol Series	Contains a unique lubrication additive, ND. Dramatically lowers the coefficient of friction of steel to aluminum and aluminum to aluminum, and is also used on stainless steel, bronze, brass, galvanized steel, titanium and other metals.
Wiolan Series	Specially adapted, highly-effective honing and grinding oil containing a combination of lubricity agents.
Cut-Max Series	Contains highly selected, premium-grade, refined base oil stocks. The organic diluent and carrier for the chlorine has exceptional wetting and penetrating characteristics.
Synthetic Coolants	
Hocut Series	Biostable, low-foaming, semi-synthetic coolant for general-purpose machining and grinding.

Metal Forming

Description

Stamping and Drawing Lubricants	
Houghto-Draws	Chlorinated, light-viscosity metal forming lubricant.
Houghto-Draws	Heavy-duty, emulsifiable metalworking fluid.
Wire Drawing Lubricants	
Cindol-Aluminum	New wire lubricant designed for drawing all aluminum alloys and the magnesium alloyed rod.
Houghto-Draws WD – Copper	Water-soluble lubricant used for drawing copper and tin-coated copper wire.
Forging Lubricants	
Hot Metal Lubricant	Water-soluble, heavy-duty, graphitic, water-dispersible hot metal lubricant.
Hot Forging Agent	Oil-based, Oil-graphite-type forging compound for use on difficult ferrous and nonferrous forgings.
Synthetic	Heavy-duty, synthetic, water-based forging lubricant developed as an alternative to products containing graphite.
Die Casting Lubricants	
Die Kotes – Die Sprays	Unique synthetic water-based lubricant developed for aluminum, magnesium and zinc die casting operations.
PTL – Plunger Tip Lubes	Non-graphitic, heavy-duty plunger lubricant which can withstand temperatures up to 650 °F. Surrounds plunger tips with special extreme-pressure additives.

Rust Preventives

Description

Non-Solvent Preventives	
Rust Veto Series	Straight-oil-type rust preventive that displaces and separates water.
Solvent Preventives	
Rust Veto Series	Water-displacing rust preventive with rapid separation. Displaces any free water extremely fast and resists alkaline, acid and solvent emulsion cleaner carry-over.
Emulsifiable Preventives	
Rust Veto Series	Water-emulsifiable rust preventive, which deposits a thin, protective film on treated surfaces.
Synthetic Preventives	
Rust Veto Series	All-synthetic, aqueous-base rust preventive, which has the features of a non-nitrated chemical rust inhibitor.
Solvent-Based Indoor/Outdoor Preventives	
Rust Veto Series	Translucent coating for heavy-duty protection. Industrial grade Cosmoline.

Heat Treating

Description

Cold Quenching Oils	
Houghto-Quench Series	Various quenching speed, solvent refined paraffinic base oils with complex antioxidant and speed improving additive package.
Martempering (Hot) Quenching Oils	
Mar-Temp Series	Solvent refined paraffinic base oils fortified with complex additive package used for tempering and martempering applications at temperatures >250 °F (121.1 °C).
Aqueous Quenchants	
Aqua-Quench Series	Water soluble synthetic polymer quenchants with corrosion inhibition. Appropriate for ferrous and non-ferrous alloys. Flexibility of quenching characteristics.
Heat Treatment Salts	
Draw-Temp Series	Efficient salt for rapidly and uniformly heating thin and thick metal sections and for even heat extraction for Austempering. Some salts are appropriate for aluminum heat treatment. Complies with MIL-S-10699.
Liquid Heat Series	High temperature salts for a variety of heat treatment applications. Complies with MIL-S-10699.

Cleaners

Description

Spray Cleaners with Rust Protection	
Cerfa-Kleen Series	Some products feature biostability, multi-metal safety, extreme-pressure spray cleaning with in-plant rust protection and oil-splitting characteristics.
Spray Cleaners and Rinse	
Cerfa-Kleen Series	Heavy-duty, liquid alkaline cleaner designed for spray cleaning operations for ferrous and non-ferrous metals.
Immersion Cleaners and Rinse	
Cerfa-Kleen Series	General-purpose liquid cleaner used at room temperature; combines high surface activity, detergency and solvent cleaning action in open tanks without fire hazard.
Floor Cleaners	
FC Series	Medium-duty and heavy-duty, general-maintenance cleaners for use in all industries. May also be used in soak-cleaning and certain tumble-cleaning operations.
Tumble and Vibratory Compounds	
Vibra-Kleen Series	Low-temperature, vibratory deburring and burnishing compounds containing in-plant rust protection.
Ultra-Sonic Cleaners	
Cerfa-Kleen Series	Alkaline free-rinsing liquid soak tank and ultrasonic cleaning compound will not attack aluminum or zinc alloys and will not leave a residue which could effect finishing operations.
Ultra-Filter Membrane Cleaners	
Cerfa-Kleen Series	Alkaline circulation in place cleaner for membrane maintenance.
Super-Finishing Compounds	
Microsurface Series	Mildly acidic liquid concentrate formulated for scale removal and rapid surface refinement of steel, copper, stainless steel and aluminum components processed in vibratory finishing equipment. Produces very low Ra for "super" finishing of bearings, gears and other moving parts.

Fluid Power

Description

Water Glycol	
Houghto-Safe	Water-glycol-type, fire-resistant hydraulic fluid designed to meet the exacting requirements of modern industrial hydraulic systems.
Phosphate Ester	
Houghto-Safe	Phosphate ester fluid that combines fire resistance with excellent lubricating properties, and is approved for operation in all types of pumps and associated hydraulic components.
Polyol Ester	
Cosmolubric HF	Chemically and thermally stable, Factory Mutual-approved, high-quality, synthetic polyol ester hydraulic fluid.
Vegetable Oil	
Cosmolubric B	Vegetable oil-derived, fire-resistant hydraulic fluid formulated with additives to enhance corrosion protection, metal passivation and oxidative inhibition. Factory Mutual-approved as a less hazardous fluid.



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