



PRE-TREATMENT CHEMICALS

Pre-treatment chemicals are used for soaking, cleaning, removing compounds, and surface activation in almost all plating operations. The critical step(s) of pre-treatment of metal or other surfaces ensures finished products that produce the highest yields and reduce waste.

| High-Performance Liquid Additive Cleaner Systems | | |
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| Family | Products | Description |
| Brite-Kleen | SC-200LA | Heavy duty cleaner for steel, copper and copper alloys. It is a high performance liquid additive that is used in conjunction with dry or liquid caustic soda. An easy, effective and economical cleaner that can even be used in lower temperatures. |
| Brite-Kleen | SC-190 LA | An exceptional, high performance liquid additive that when used in conjunction with caustic soda provides a heavy duty electro cleaner for steel. It has some application on non-ferrous metals as well. |

| High-Performance Soak Cleaner System | | |
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| Family | Products | Description |
| Brite-Kleen | SC-200L | High performance general purposes, liquid soak cleaner for steel, copper and copper alloys. It offers unique advantages never before available in a cleaning system. |
| Brite-Kleen | SC-220L | High performance liquid soak cleaner for copper, copper alloys, brass and steel. It is designed to remove tough impacted buffing compounds as well as machine lubricants, stamping fluids and oils. |
| Brite-Kleen | SC-230L | Highly concentrated, liquid soak cleaner for copper and steel. It is designed to remove a wide variety of soils and buffing compounds from ferrous metals. |
| Brite-Kleen | SC-203 | Phosphate and silicate free powder cleaner for copper, brass, steel and stainless steels designed to remove a wide variety of oils and soils. |
| Brite-Kleen | SC-206 | Phosphate and silicate free powder cleaner for steel and stainless steels designed to remove a wide variety of oils and soils. |

| High-Performance Electro Cleaner Systems | | |
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| Family | Products | Description |
| Brite-Kleen | EC-110L | A unique and powerful high-performance electro cleaner for steel and copper alloys. It offers many advantages never before available in cleaning systems. Its highly concentrated liquid formulation is easy to make up and maintain. |
| Brite-Kleen | EC-130 | A general purpose, low wetted, phosphate free, highly conductive electro cleaner for steel. It contains a balanced blend of free rinsing alkaline materials and detergents which provide maximum scrubbing and activating power and minimizes drag out on processed work. |
| Brite-Kleen | EC-160 | A low wetted, multi-purpose alkaline soak/electro cleaner specifically formulated for copper, copper alloys, brass, leaded brass and steel. It thoroughly cleans and activates without pitting, etching, blackening or other attacks on the base metal. |

High-Performance Spray Cleaner Systems

| Family | Products | Description |
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| Brite-Kleen | SPC-339 | A highly concentrated and powerful spray cleaner for steel, copper, brass and aluminum. It is specifically formulated to remove stubborn soils such as drawing lubricants, quench oils, greases, drawing, buffing compounds and light oxides. |
| Brite-Kleen | SPC-357L | A highly concentrated very powerful liquid spray cleaner for steel, copper, brass, aluminum and diecast. It is a non-caustic, non-silicated, non-phosphated, low foaming formula and is designed to remove drawing lubricants, quench oils, greases, drawing and buffing compounds. |

High-Performance Aluminum Cleaner Systems

| Family | Products | Description |
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| Brite-Kleen | ASC-800L | A unique, economical non-silicated, non-phosphated, non-etch, liquid cleaner designed to remove a wide variety of soils, oils and heavily impacted buffing compounds from aluminum, aluminum alloys, brass, zinc diecast and steel. Ideal for use in ultrasonic applications. |
| Brite-Kleen | SC-410L | An exceptional, non-silicated, phosphated, not-etch, liquid cleaner designed to remove a wide variety of oils, soils from aluminum, aluminum alloys and brass. When used as directed will remove stubborn soils without causing down-line incompatibility problems. |
| Enviro-Kleen | DC-707L | Slightly acidic cleaner for aluminum, brass, copper and steel. Non-etch, cleans, brightens and deoxidizes in one step. Removes wide variety of oils, soils and oxides. |

High-Performance Soak Cleaner System

| Family | Products | Description |
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| Enviro-Kleen | AD-575 | A revolutionary aqueous degreaser breakthrough product that is specifically designed to replace hazardous cleaning chemicals and toxic solvents like 1,1,1-trichloroethane without hazards to the workplace or harming the environment. |
| Enviro-Kleen | MC-303L | A new generation liquid spray cleaner for steel, copper, brass, aluminum, and diecast. It is a non-silicated, non-phosphated, near-neutral formula designed to remove lubricants, quench oils, greases, drawing compounds and buffing compounds. |
| Enviro-Kleen | FC-500 | A water-soluble, multi-purpose, general maintenance cleaner. It does not contain hydrocarbon or d-limonene solvents. It is safe on commonly used metals including aluminum and diecast. Also safe on plastics, rubber, porcelain, concrete, wood, tile and most painted surfaces. |
| Enviro-Kleen | FC-1000 | Highly concentrated multi-surface cleaner. Excellent for pre-treatment soak cleaning. 100 percent biodegradable and environmentally safe. Easily processed through conventional waste water treatment systems. |

Contact us for more details at (800) 930-1688 or email us at sales@wintersunchem.com