



Precision Cleaning Products



Aqueous Cleaning



Vapor Degreasing



Solvent Cleaning



Manual Cleaning



AQUEOUS CLEANING

Product	Description	Method	Use Conc	Use Temp
CleanSafe™ 686 Aqueous Cleaner	Removes metalworking fluids, greases, oils, particulate. Multi-metal safe. Hard water stable. Built-in corrosion inhibitors. SCAQMD compliant.	Immersion; Ultrasonics	5-25%	140-180°F (60-82°C)
CleanSafe 50E Plus Aqueous Cleaner	Cleans, brightens and protects copper, brass and bronze. Built-in corrosion inhibitors. SCAQMD compliant.	Immersion; Ultrasonics	3-10%	120-160°F (50-70°C)
CleanSafe 7200 DTX Aqueous Cleaner	Inhibited mild alkaline cleaner designed to remove metalworking fluids, greases, oils. Multi-metal safe. Built-in corrosion inhibitors. SCAQMD compliant.	Spray; Agitated Immersion	5-10%	140-180°F (60-82°C)
CleanSafe 7448 Aqueous Cleaner	Strong alkaline cleaner designed to remove greases, oils and baked-on-soils from carbon steel. Built-in corrosion inhibitors. SCAQMD compliant.	Spray; Agitated Immersion	5-10%	140-180°F (60-82°C)
CleanSafe 7950 Aqueous Cleaner	Formulated to clean metalworking fluids, greases, oils from stainless steel. Non-silicated. Easily water rinsed. SCAQMD compliant.	Spray; Agitated Immersion	5-10%	140-160°F (60-70°C)
CleanSafe 7449 YHA Aqueous Cleaner	Inhibited alkaline cleaner safe for use on aluminum. Removes metalworking fluids such as cutting and bending oils. Exceptional for tube cleaning applications. SCAQMD compliant.	Spray; Agitated Immersion	5-10%	140-160°F (60-70°C)
CleanSafe 787C Aqueous Cleaner	Non-foaming alkaline cleaner designed for spray parts washers. Aerospace approved. SCAQMD compliant.	Spray	5-10%	120-160°F (50-70°C)



VAPOR DEGREASING

Product	Description	Method	Use Conc	Use Temp
LENIUM™ FHD Vapor Degreasing Solution	Fluorinated vapor degreasing solution. Low toxicity. Replaces nPB, TCE, PERC. No acid acceptance testing required. Aerospace approved.	Vapor; Immersion	100%	99°F (37°C)
LENIUM HFT Vapor Degreasing Solution	Fluorinated vapor degreasing solution. Low toxicity. Replaces nPB, TCE, PERC. Complies with EU F-gas regulations. Available in Europe.	Vapor; Immersion	100%	108°F (42 °C)
LENIUM GS Vapor Degreasing Solution	Degreasing solvent based on n-Propyl Bromide (nPB). Replaces TCE, PERC. Non-flammable. Aerospace approved.	Vapor; Immersion	100%	160°F (71°C)
LENIUM ES Vapor Degreasing Solution	Defluxing solvent based on n-Propyl Bromide (nPB). Non-flammable. Excellent on RMA solder paste flux residues.	Vapor; Immersion	100%	148-151°F (64-66°C)

Note: Certain types of solvents may require specialized equipment designed for handling flammable or combustible materials.



SOLVENT CLEANING

Product	Description	Method	Use Conc	Use Temp
AXAREL™ 2000 Solvent Cleaner	Odorless, general-purpose solvent degreaser for parts washing applications. Also used in airless vacuum degreasing equipment. Excellent replacement for mineral spirits. Aerospace approved.	Immersion; Soak; Vacuum Systems	100%	144°F (62°C)
AXAREL PD-680-II Solvent Cleaner	Economical, general-purpose solvent degreaser for parts washing applications.	Immersion; Soak	100%	153°F (67°C)
AXAREL 9100 Solvent Cleaner	Very high flash point solvent degreaser used to remove greases, oils. May also be used in heated immersion tanks.	Immersion; Soak	100%	205°F (96°C)
AXAREL 56 Solvent Cleaner	Water-rinsible solvent cleaner for heated immersion equipment. Removes greases, heavy soils. May be diluted with water to make an emulsion.	Immersion	25%- 100%	205°F (96°C)
BIOACT™ 280 & BIOACT 280E Solvent Cleaner	Bio-based solvent for removing paraffinic and microcrystalline masking wax and thermofixturing compounds.	Immersion	100%	285°F (141°C)
BIOACT VSO Solvent Cleaner	Dissolves support wax used in 3D model making and prototyping.	Immersion; Soak	100%	215°F (102°C)



MANUAL CLEANING

Product	Description	Method	Use Conc	Use Temp
BIOACT 105 Solvent Cleaner	All-purpose manual cleaning solvent. Good dry times. Removes metalworking fluids, greases, oils. Replaces Acetone, IPA, MEK. Aerospace approved.	Manual	100%	105°F (41°C)
BIOACT 105 Wipes Solvent Cleaner	BIOACT 105 Solvent Cleaner packaged in pre-saturated wipes. Fabric qualified to AMS 3819.	Manual	100%	105°F (41°C)
AXAREL 4100 Solvent Cleaner	Non-citrus manual solvent degreaser. Removes metalworking fluids, greases, oils.	Manual	100%	116°F (47°C)
BIOACT 108 Solvent Cleaner	Powerful solvent blend. Excellent MEK replacement. Removes adhesives, corrosion inhibitors, greases, silicones, waxes and other hard-to-clean soils.	Manual	100%	120°F (49°C)
RE-ENTRY™ Prepsolv Adhesive Remover	Citrus-based adhesive remover	Manual	100%	122°F (50°C)
AXAREL 1000 Solvent Cleaner	Odorless, high-purity manual solvent degreaser. Aerospace approved.	Manual	100%	127°F (53°C)
AXAREL 6100 Solvent Cleaner	Non-citrus manual solvent degreaser. Removes metalworking fluids, greases, oils. Does not ship or store as a flammable liquid.	Spray-In-Air; Immersion	100%	142°F (61°C)

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OUR PRODUCTS CLEAN A WIDE RANGE OF COMPONENTS AND ASSEMBLIES.

- 3D Rapid prototyping, model making and jewelry
- Aircraft exterior and interior surfaces
- Asphalt and construction
- Automotive and light vehicles
- Breathing system components
- Engines and auxiliary power units
- Flight control surfaces
- Heavy transportation and mining
- Honeycomb and composite structures
- Hydraulic line assemblies
- Landing gears, wheels and brakes
- Medical device implants and surgical instruments
- Rocket motor components
- Weapon systems and small arms

OUR CLEANING PRODUCTS ARE USED IN THE FOLLOWING APPLICATIONS:

- General purpose clean-up
- Teardown and assembly
- Removal of greases, hydraulic fluids, lubricants, oils
- Removal of masking and fixturing waxes
- Removal of buffing and polishing compounds
- Removal of corrosion inhibiting compounds (CICs)
- Removal of adhesive residues
- Cleaning prior to nondestructive testing
- Cleaning prior to bonding, sealing, painting
- Cleaning prior to welding
- Removal of metalworking fluids



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