



Where Finishing Excellence Begins

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EPI's Cleaners	Type	Conc.	Form	E/F oils	Temp.	Chelators	Phosphates	Silicates	Notes
ALL METAL CLEANERS									
E-Kleen 122	electro (a/c)	Fe, Cu 15-20%	Liquid	F	180 - 220 F	No	No	Yes	Offers a long bath life for the product. Used for cathodic cleaning and activation of ss prior to Cr plating. Buffering agents prevent attack of the high current density areas of the metal during anodic cleaning.
		Cu alloys, Zn, Ni, SS 10-12%			130 - 150 F				
E-Kleen 148B	soak	5 - 12 %	Liquid	F	100 - 150 F	No	Yes	Yes	Good low temperature, low foam, low caustic cleaner. Doesn't etch Al. Don't exceed 150F.
	spray	0.5 - 3 %			100 - 150 F				
	ransohoff	3 - 9 %			100 - 150 F				
E-Kleen 148E	soak	5 - 12 %	Liquid	E	100 - 150 F	No	Yes	Yes	Don't exceed 150F. Cleans oils off well. Good prior to room temperature blackening.
E-Kleen 149	soak	4 - 10 oz/gal	Powder	F	100 - 180 F	No	Yes	Yes	Doesn't etch Al.
	spray	5 - 10 oz/gal			100 - 180 F				
E-Kleen 149L	soak	3 - 10 %	Liquid	F	100 - 180 F	No	Yes	Yes	Doesn't etch Al. Has some rust preventative properties.
	spray	0.5 - 3 %			100 - 180 F				
E-Kleen 149L NSP	soak	3 - 10 %	Liquid	F	100 - 180 F	No	No	No	Doesn't etch Al. Has some rust preventative properties.
	spray	0.5 - 3 %							
E-Kleen 152	soak	8 - 12 %	Liquid	E	130 - 165 F	No	Yes	Yes	Can be used with air agitation, low foam.
E-Kleen 154	soak	5 - 50 %	Liquid	F	65 - 140 F	No	Yes	No	Acidic cleaner, can be used as a cleaner and activator for Cu-Zn, Al and Zn prior to antiquing and blackening; Doesn't etch metals (except Aluminum if left for a long time). Can be used at room temperature.
E-Kleen 162	spray	2 - 10%	Liquid	F	120 - 160 F	No	No	Yes	Neutral. Has excellent soil splitting properties. Doesn't contain caustic.
	ransohoff	2 - 10 %			120 - 160 F				Following cleaning, it is not necessary to rinse the parts.
E-Kleen 166	soak	5 - 12 %	Liquid	F	100 - 150 F	No	No	Yes	Heavy duty cleaner, effective on baked on carbon, cutting oils, waxes, buffing compounds, etc.
	spray	0.5 - 3 %			100 - 150 F				Has long life.
	ultrasonic	1 - 8 %			100 - 150 F				
	ransohoff	3 - 9 %			100 - 150 F				
E-Kleen 169	soak	5 - 12 %	Liquid	E	100 - 200 F	Yes	No	Yes	Very effective in removing baked on carbon, cutting oils, waxes, buffing compounds and other soils.
	ultrasonic	1 - 8 %							It is buffered so that polished aluminum and brass will not stain or tarnish.
	spray	0.5 - 3 %							
E-Kleen 190	soak	5 - 12 %	Liquid	E	100 - 200 F	Yes	No	Yes	Heavy duty cleaner, effective on baked on carbon, cutting oils, waxes, buffing compounds, etc.
	spray	0.5 - 3 %			100 - 200 F				Doesn't contain caustic.
	ultrasonic	1 - 8 %			100 - 200 F				
STEEL ONLY									
E-Kleen 101	soak	6 - 10 oz/gal	Powder	F	160 - 200 F	No	No	Yes	Heavy duty, low silicate.
E-Kleen 102	soak	5 - 15 %	Liquid	F	130 - 190 F	No	No	No	Heavy duty, non-silicated.
E-Kleen 102E	soak	6 - 15 %	Liquid	E	130 - 195 F	No	No	No	Contains over 13% by weight of surfactants/detergents resulting in long life of material. Good prior to blackening. Non-silicated.
E-Kleen 110	soak	6 - 12 oz/gal	Powder	E	90 - 160 F	No	Yes	No	Low temperature. Heavy duty, non-silicated.
E-Kleen 111	soak	6 - 16 oz/gal	Powder	E	160 - 210 F	No	Yes	No	Good in hard water. Long life.
E-Kleen 120	soak	8 - 16 oz/gal	Powder	F	180 - 210 F	Yes	Yes	Yes	Good in hard water. It is most effective when used as a reverse current (anodic) cleaner
	electro (a/c)	9 - 16 oz/gal			180 - 210 F				Removes smut.
STEEL AND COPPER/ COPPER ALLOYS CLEANERS									
E-Kleen 105	soak	Fe 8 - 10 oz/gal Cu 4 - 6 oz/gal	Powder	E	120 - 160 F 120 - 140 F	No	Yes	No	Low temperature. No dust.
E-Kleen 105LF	soak	Fe 8 - 10 oz/gal Cu 4 - 6 oz/gal	Powder	E	120 - 160 F 120 - 140 F	No	Yes	No	Low foam and low temperature. Can be used as a soak with air agitation.
	spray								
E-Kleen 127	soak	8 - 12 %	Liquid	E	140 - 200 F	Yes	No	No	Can freeze and still be used for cleaning.
	electro	5 - 12%			140 - 200 F				
E-Kleen 128L	electro (a)	6 - 15 %	Liquid	E	160 - 200 F	No	No	Yes	Heavy duty electrocleaner prior to bright nickel plating without hazing and stardusting. Offers a controlled foam blanket during electrocleaning.
E-Kleen 129	electro	8 - 16 oz/gal	Powder	E	160 - 200 F	No	No	Yes	Excellent desmutter.
E-Kleen 129L	electro	6 - 12 %	Liquid	E	160 - 200 F	No	No	Yes	Liquid form of E-Kleen 129.
E-Kleen 164	soak	5 - 15 %	Liquid	F	120 - 200 F	No	No	No	Removes stamping and cutting oils, drawing compounds, metal filings and chips and animal fat buffing compounds. Doesn't contain caustic.
ZINC DIECAST, COPPER AND BRASS									
E-Kleen 125	soak	8 - 16 oz/gal	Powder	E	140 - 200 F	No	Yes	Yes	The highly buffered material for heavy duty electrolytic and soak cleaner. will not attack zinc diecastings and slush castings.
	electro (a)	4 - 10 oz/gal			140 - 200 F				
E-Kleen 173	soak	8-10 oz/gal	Powder	E	130 - 150 F	No	No	Yes	Recommended where there is limited cleaning equipment - no secondary soak available.
	electro (c/a)	8-10 oz/gal			130 - 150 F				It is excellent for short cleaning cycles. Removes light buffing compounds and light oils. Has Cr reducer.
ZINC DIECAST ONLY									
E-Kleen 140	soak	4 - 8 oz/gal	Powder	E	160 - 180 F	No	Yes	Yes	Contains a very low amount of caustic soda. It was formulated to work well with E-Brite Ultra Cu.
E-Kleen 174	soak	8 - 10 oz/gal	Powder	F	130 - 150 F	Yes	No	Yes	Contains Cr reducer. Does not scum with hard water. Resists drying tendency with long transfer times when used with temperatures of 130' to 150' F.
	electro (a)	8 - 10 oz/gal			130 - 150 F				
ALUMINUM ONLY									
E-Kleen 130	soak	6 - 8 oz/gal	Powder	E	160 - 180 F	No	Yes	Yes	Will not etch aluminum surfaces. Has long life.
E-Kleen 131	soak	6 - 8 oz/gal	Powder	E	160 - 180 F	No	Yes	No	Non-Silicated, Non-Etch. Rinses well. Does not dull the surface of bright aluminum. It does not contain chromates.
E-Kleen 133	soak	3 - 6 oz/gal	Powder	E	140 - 160 F	No	No	Yes	Cleans and etches Al while preventing the build-up of Al compounds on tank walls.
E-Kleen 139	soak	6 - 8 oz/gal	Powder	E	140 - 180 F	No	Yes	No	Mild Etch

Type: A = Anodic
 C = Cathodic
 E/F Oils: E = Emulsifies
 F = Floats