



A Fast-Acting Cleaner for Electrical and Electronic Use

KC™ Electrical Cable & Equipment Cleaner replaces CFC and chlorinated solvent cable and contact cleaners. It is fast evaporating, non-flammable, and non-carcinogenic. KC™ Contact Cleaner will not attack or degrade sensitive plastics and will not corrode metals. It is essentially non-conductive.

KC™ Electrical Cable & Equipment Cleaner effectively cleans oxidation, dust, and light oils from electrical equipment. Use KC™ to clean cables, circuit boards, controls, switches, substation relays, etc. It will evaporate from the cleaned surface quickly, leaving no residue.

Catalog No.	Description	Units Per Case
KC-16*	16 fluid oz (475 ml) aerosol can. Net wt 16 oz.	12

*Not available in Canada

ADVANTAGES

- No Flashpoint
- Fast Evaporating
- [Harmless To Most Plastics](#)
- Residue-Free
- Non-Conductive, Non-Corrosive, Non-Staining, Non-Flammable
- Not An RCRA-Regulated Hazardous Waste
- No Chlorinated Solvents
- SNAP Approved

PHYSICAL PROPERTIES

Flashpoint (ASTM D93)	None
Initial Boiling Point	90°F (32°C)
Specific Gravity	1.4
Dielectric Strength (ASTM D877)	21 KV
Relative Evaporation Rate	Fast
Residue (ASTM D2369)	< 100 ppm
Water Content (ASTM D1533B)	< 50 ppm
Propellant	HFE
Cleaning Strength	Good

USAGE DIRECTIONS/PERFORMANCE

KC™ Electrical Cable & Equipment Cleaner is used to clean cables, contacts, and relays on electrical or electronic equipment. Position nozzle 6 to 8 inches (15 - 20 cms) from the surface. Spray liberally and allow solvent to flush oil and dirt. Use the extension tube for hard to reach areas.

KC™ Electrical Cable & Equipment Cleaner is a slightly stronger solvent than the CFC azeotropes that have been used for many years. It will clean light oils, silicone compounds, and fluorinated greases.

KC™ Electrical Cable & Equipment Cleaner evaporates instantly. Forced air, [drying towels](#), and heat are unnecessary. There is no time lost waiting for it to dry.

EVAPORATION RATE

KC™ Contact Cleaner	250 mg/min.
Perchloroethylene	20 mg/min.
CFC 113	200 mg/min.
Odorless Mineral Spirits	0.3 mg/min.

COMPATIBILITY

KC™ Electrical Cable & Equipment Cleaner will not corrode or stain metal parts. It does not tarnish or corrode copper per ASTM D 130 and D 1729.

KC™ Electrical Cable & Equipment Cleaner is compatible with most plastics and elastomers. Tables I and II show the effect of KC™ on various plastics and rubbers. KC™ has less effect on these materials than chlorinated solvents and HCFC 141b.

Testing is based on a soak test described in ASTM D 543. KC™ will temporarily affect some rubber compounds. These rubbers may swell, but should return to their original state after the solvent cleaner has dried. Immersion will affect sensitive materials more than incidental contact of a spray and wipe. It is recommended that all plastic parts, gaskets, seals, and o-rings be tested for specific use and exposure method.

REGULATORY

- USDA and MSHA approved.
- TSCA listed in the U.S. and DSL listed in Canada.
- Ozone Depletion Potential = 0.10
- Not listed as a hazardous air pollutant (HAP).
- Not regulated for ground transportation.

SAFETY

KC™ Electrical Cable & Equipment Cleaner has a low level of toxicity. It is not considered a carcinogen and is quite safe to use. Avoid breathing spray, mist, or vapor. Use with adequate ventilation. Wash hands after use. See [MSDS](#) for specific details.

STORAGE

KC™ Electrical Cable & Equipment Cleaner containers should be kept cool, dry and away from sources of ignition and oxidizing materials. Do not expose aerosol cans to direct sunlight or temperatures above 120°F (50°C). Do not puncture or incinerate aerosol cans. Aerosol cans are freeze/thaw stable.

KC™ COMPATIBILITY WITH PLASTICS & ELASTOMERS

TABLE I

AGING 5 DAYS AT ROOM TEMPERATURE			
TYPE OF PLASTIC	% WEIGHT CHANGE	% THICKNESS CHANGE	APPEARANCE
ABS	+4.28	+3.10	NC
Acrylic	+0.27	0	NC
CPE Thermoplastic	+18.23	+3.30	NC
CPE Thermoset	+14.87	+0.45	NC
Delrin®	+0.20	-1.45	NC
Epoxy	+0.32	0	NC
Nylon 101	+0.06	-0.27	NC
Polycarbonate	+1.26	0	C
Phenolic	+4.70	+2.93	NC
Polyethylene	+7.53	+1.17	NC
Polystyrene	+49.54	+16.86	ES
PVC	+0.05	0	NC
Teflon®	+1.43	+0.22	NC
Tygon®	+20.94	0	NC
Ultem® 1000	-0.01	+1.09	NC
Valox® 420	+0.09	+1.21	NC

TABLE II

AGING 5 DAYS AT ROOM TEMPERATURE			
TYPE OF ELASTOMER	% WEIGHT CHANGE	% THICKNESS CHANGE	APPEARANCE
EPDM	+34.69	+8.43	SS
Neoprene	+23.33	+20.07	SS
Nitrile	+26.37	+20.22	SS
SBR	+20.62	+9.65	NC
Silicone	+112.38	+31.32	S
Viton®	+48.12	+22.30	SS

KEY: NC=NO CHANGE
C=CRAZING
SS=SLIGHT SWELLING
S=SWELLING
ES=EXTREME SOFTENING
D=DISSOLVED

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11222 60th ST N | Stillwater, MN 55082-9310 USA
1-(651) 430-2270 (Voice) | 1-(651) 430-3634 (Fax)
1-(800) 328-9384 (Toll-Free US/Canada Only)

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