

# ELECTRON 296



## Environmentally Preferred Dielectric Solvent

Qualified to MIL-PRF-680A Type IV

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## Product Data Sheet

### Description

ELECTRON 296 Environmentally Preferred Dielectric Solvent is an exceptional solvent degreaser formulated without chlorinated solvents or other hazardous ingredients. The base for ELECTRON 296 is a unique high-grade oil distillate, which provides its dielectric strength, allowing it to be used safely on all types of electrical apparatus. With its high flash point, ELECTRON 296 provides an unprecedented degree of user safety.

ELECTRON 296 Environmentally Preferred Dielectric Solvent is strong enough to remove grease, fuel oil, carbon and organic resins yet safe on most plastic and rubber surfaces. Unlike other solvents, ELECTRON 296 can be used without extensive protective equipment. Common sense chemical precautions are required.

### Benefits

- Contains no water
- Fully evaporative, leaves no residue
- Not a flammable liquid, (TCC Flash point above 145°F)
- No surface leakage of current in immediate residue tests
- Contains no OSHA PEL or ACGIH TLV listed ingredients
- High dielectric strength, (ASTM D-877 test procedures to 46,000 volts)
- No SARA or RCRA listed ingredients
- Qualified to MIL-PRF-680A, Type IV

### Applications

Use undiluted. Spray or wipe ELECTRON 296 on surface to be cleaned. Oil, dirt and carbon will flow off surface. If additional cleaning is required, wipe with rag or brush. Since ELECTRON 296 does not dry as rapidly as 1,1,1 trichloroethane, apply a light spray first, allow 5 minutes to work, then follow with a light spray as a rinse, which will push out the now soluble soils. ELECTRON 296 also works exceptionally well in filtered or unfiltered parts washers.

### Key Physical Characteristics

Property	Test Method	Typical Value
Autoignition Temperature	ASTM E-659	428° F
Boiling Point, (IPB - FBP)	Calculated	349° F
Color, Saybolt	ASTM D-156	+30
Dielectric Strength (volts)	ASTM D-877	46,000
Flash Point, Tag Closed Cup	ASTM D-93	147° F
Kauri-Butanol No.	ASTM D-1133	58
Moisture Content	ASTM D1533B	0.015% max.
Non-Volatile Residue	ASTM D-2369	< 100 ppm
Physical Form	Appearance	Clear liquid
Pounds per Gal, (15.6 C / 60° F)	Calculated	6.53
Pour Point	ASTM D-97	-40° F.
Power Factor, % @ 25° C	ASTM D-924	0.065
Refractive Index, 20C (68° F)	ASTM D-12181	.4385
Solubility in Water (% @ 68° F)	Calculated	<0.10
Specific Gravity, (15.6° C / 60° F)	ASTM D-287	0.8112
Surface Tension, (Dynes/cm @ 25° F)	Calculated	25
Vapor Pressure, (MM HG @ 68° F)	ASTM D-2879	.30 mm Hg
VOC Content	Calculated	810 grams/liter
	Less Exempt	122 grams/liter

(N.A.= Not Applicable, N.E.= Not Established)

### Safety and Handling Precautions

Precautionary measures: Contains hydrotreated distillate. Always use with adequate ventilation. Avoid vapors. May cause dizziness or headache. Avoid prolonged or repeated exposure to unprotected skin. Do not ingest. Avoid contact with eyes. Treat as combustible material. Keep container closed when not in use. Consult MSDS.

### Packaging

Product Name	Part No.	Packaging	National Stock No.
ELECTRON 296	1209-55	55 Gal Drum	6850-01-472-2719
ELECTRON 296	1209-5	5 Gal Pail	6850-01-472-2717
ELECTRON 296	1209-1	1 Gal.Can	6850-01-472-2722
ELECTRON 296	1209-12	1 Qt Bottle	6850-01-472-2721
ELECTRON 296	1209-16	1 Pt.Bottle	6850-01-472-2723