

279 PCS

APPLICATION AREAS

- Electronic Equipment
- Electrical Instrumentation and Switches
- Controllers/Control Panels
 - Panel Meters
 - Circuit Boards





PRODUCT DATA SHEET

KEY FEATURES AND BENEFITS

- Non-flammable
- Fast evaporation rate
- Low residue
- High dielectric strength
- NSF K2 registration number 134012
- No VOC's/ozone depleting materials
- Removes fluorinated lubricants
- Safe for plastics
- Non-corrosive

PACKAGING

Aerosol

DIRECTIONS

Apply the product directly to the surface to be cleaned. Wipe the part/equipment with a absorbent wipe or allow the part/equipment to air dry.

DESCRIPTION

Chesterton® 279 PCS is a state of the art, precision cleaning solvent designed specifically to replace CFC-113, HCFC -141b and other ozone-depleting materials.

It is a highly effective non-corrosive, nonflammable solvent cleaner for removal of grease, oils, flux, dirt and dust from electrical and electronic equipment.

This non-ozone depleting solvent system utilizes new HFE technology to quickly remove light oils, particulates, fluorolubricants like Krytox® Grease*, fluoropolymers and other contaminants. Chesterton 279 PCS is specifically engineered to restore and improve electrical continuity on energized equipment.

| Physical Properties | Chesterton 279 | CFC-113 | HCFC-141b | HCFC-25ca/cb | HFC-4310 |
|----------------------------------|----------------|---------|-----------------------|--------------|----------|
| Molecular Wt | 250 | 187 | 117 | 203 | 252 |
| Boiling Pt °C | 60 | 48 | 32 | 54 | 54 |
| Freeze Pt °C | -135 | -35 | -103 | -131 | -80 |
| Flash Point | None | None | None | None | None |
| Flammability Range in Air | None | None | 7.1–18.6 ¹ | None | None |
| Liquid Density ² | 1.52 | 1.56 | 1.23 | 1.55 | 1.58 |
| Surface Tension ³ | 13.6 | 17.3 | 19.3 | 16.2 | 14.1 |
| Solubility in Water ⁴ | <20 | 170 | 210 | 330 | 140 |

1 Vol % by ASTM E681-94 @100C 2 g/ml @25C 3 dynes/cm @25C 4 ppm by weight

| Enviromental Properties | Chesterton 279 | CFC-113 | HCFC-141b | HCFC-25ca/cb | HFC-4310 |
|------------------------------------|----------------|---------|-----------|--------------|----------|
| Ozone Depleting Potential1 - ODP | 0.00 | 0.80 | 0.10 | 0.03 | 0.00 |
| Global Warming Potential2 - GWP | 500 | 5000 | 630 | 170/530 | 1300 |
| Atmospheric Lifetime - ALT (years) | 4.1 | 85.0 | 9.4 | 2.5 – 2.6 | 17.1 |

1 CFC-11=1.0 2 GWP - 100 year Integration Time Horizon (ITH) Note: HCFC-225 ca/cb ratio is 45/55

| Chesterton 279 Materials Compatibility | | | | | | |
|--|---|---|--|--|--|--|
| Metals | Plastics | Elastomers | | | | |
| Aluminum Copper Carbon Steel 302 Stainless Steel Brass Molybdenum Tantalum Tungsten Cu/Be Alloy C172 Mg Alloy AZ32B | Acrylic Polyethylene Polypropylene Polycarbonate Polyester Epoxy PMMA PET ABS | Butyl Rubber* Natural Rubber Nitrile Rubber EPDM | | | | |

Compatible after 1 hr exposure at boiling temperature. "Butyl Rubber best for extended exposure > 1 month Exceptions: some swelling of PTFE and Silicone Rubber Some surface oxidation of copper during heat aging. Test for compatibility for materials not listed

Before using this product, please refer to Safety Data Sheet (SDS).

*Krvtox® Grease is a trademark of the Chemours Company FC. LLC



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