

279 PCS

APPLICATION AREAS

- Electronic Equipment
- Motorized Instruments
 - Medical Devices
- Oxygen Lines and Valves





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 electrical and electronic contacts and assemblies.

This non-ozone depleting solvent system utilizes new HFE technology to quickly remove light oils, particulates, fluorolubricants like Krytox® Grease*, fluoropolymers and other contaminants from metal contacts. 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



860 Salem Street, Groveland, MA 01834 USA 978-469-6888 www.chesterton.com © 2018 A.W. Chesterton Company ® Registered trademark owned by A.W. Chesterton Company in USA and other countries, unless otherwise noted.

Technical Data reflects results of laboratory tests and is intended to indicate general characteristics only. Since many actual application circumstances are beyond Chesterton's knowledge and/or control, the product user must determine the suitability of the products it intends to use for its particular purpose and assume all risks and liabilities in connection therewith. CHESTERTON DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE Form No. 071503 REV 1