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Product Description Sheet

Electrical Contact & Parts Cleaner

Maintenance, Repair & Operations, April 2001

PRODUCT DESCRIPTION

LOCTITE® Electrical Contact & Parts Cleaner is a flammable, non-conductive, fast evaporating cleaner that leaves no residue. The product is suited for cleaning electrical and electronic devices. It is designed to be an alternative to CFC-113 and 1,1,1- trichloroethane solvents.

TYPICAL APPLICATIONS

Used as an electrical contact cleaner to remove grease, dirt, oil, flux and other surface contaminants from sensitive electrical/electronic devices. Electrical Contact & Parts Cleaner can also be used to clean motorized instruments, control panels, electrically driven equipment, motors and other electronic devices requiring non-conductive, low residue degreasing agents.

PROPERTIES OF LIQUID MATERIAL

	Typical Value	Range
Chemical Type	Isohexane isopropyl blend	
Appearance	Colorless Liquid	
Specific Gravity @ 25°C	0.68	
Boiling Range, °C	3	-78 to 83
Surface Tension, Dynes/cm (ASTM D-1331)	17	
Kari-Butanol Value, kb (ASTM D-1133)	40	39 to 41
Dielectric Strength, volts (ASTM D-877)	43,000	
Volume Resistivity, mΩ - cm (ASTM D-1169)	1.3x10 ¹²	
Total Ionic Conductivity, μmho/cm (ASTM D-4308)	<1	
Drying Time @ 20°C, seconds	<30	
Flash Point (TCC), °C	-26	

COMPATIBILITY

Electrical Contact & Parts Cleaner is compatible with most metals, many plastics and elastomers. The following table shows the effects of the product on samples which were immersed for 30 minutes at 20°C (68°F). After removing from the solvent, each specimen was wiped dry and allowed to stand for ~30 minutes prior to testing. **Since plastics and elastomers can be formulated and manufactured to have a wide range of physical properties, it is recommended that compatibility for the particular grade or product formulation be established prior to production cleaning.** The following table shows the effects of the product on various plastics and elastomers.

Electrical Contact & Parts Cleaner Compatibility with Plastics and Elastomers (Tested per ASTM D 543-87)

Plastic / Elastomers	Ranking	Appearance
ABS	2	Dulled Shine
Buna N	1	No Change
Butyl	0	No Change
Delrin	0	No Change
G-10 Epoxy	0	No Change
Neoprene	1	No Change
Nylon 101	0	No Change
Phenolic	0	No Change
Plexiglass, Acrylic (PMMA)	2	Line Webbing
Polycarbonate	2	Cloudy
Polyethylene (HD)	0	No Change
Polyethylene (LD)	0	No Change
Polypropylene	0	No Change
PVC	1	No Change
Ultem (polyetherimide)	0	No Change
Valox 420	0	No Change

Ranking Key

0	No visible effect: no significant weight or dimension change
1	Moderate effect on weight and dimension; no visible effect on substrate
2	Not compatible

GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheets, (MSDS).

Ordering Information

Item Number	Container Size
25791	11 oz. Net Wt. Aerosol

Directions for use

1. Hold can 6 to 8 inches from surface to be cleaned.
2. Spray surfaces liberally. Extension tube can be used to pinpoint application.
3. Allow the solvent time to evaporate until the surfaces are completely dry.

Storage

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° to 28°C (46° to 82°F) unless otherwise labeled. To prevent contamination of unused product, do not return any material to its original container. For specific shelf-life information, contact your local Technical Service Center.

Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Loctite Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loctite Corporation's products. Loctite Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Loctite Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.