

3M™ Cable Cleaning Solvent CC Series

Data Sheet

July 2014

Product Description

3M™ Cable Cleaning Solvent CC Series products contain a full strength non-ozone depleting solvent cleaner, degreaser for use as an effective replacement for 1,1,1-Trichloroethane and other hazardous solvents. It is formulated to exhibit excellent cleaning and degreasing properties.

The CC Series solvent is a colorless, non-conducting liquid that emanates a light orange peel scent. It is compatible with most solid dielectric cable insulations and will not cause tracking on insulation surfaces. Accelerated surface drying can be accomplished by applying forced air or by wiping dry with a clean cloth. Use of solvent on carbon containing semi-conductive surfaces such as cable insulation shields is not recommended. There are four products within the CC series to meet cleaning needs as follows:

CC-DRY Wiping Cloths
CC-2-DRY Cable Cleaning Preparation Kits
CC-2 Cable Cleaning Preparation Kits
CC-3 Cable Cleaning Pads

Agency Approvals & Self Certifications

RoHS
2011/65/EU

"RoHS 2011/65/EU" means that the product or part does not contain any of the substances in excess of the maximum concentration values ("MCVs") in EU RoHS Directive 2011/65/EU. The MCVs are by weight in homogeneous materials. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

Applications

3M™ Cable Cleaning Solvent CC Series is compatible with all solid dielectric cable insulations; i.e. polyethylene (high and low density), cross-linked polyethylene (XLP) and ethylene propylene rubber (EPR). In general, most plastic and rubber dielectrics are not adversely affected by short term exposure to CC Cable Cleaning Solvent associated with surface cleaning.

The solvent is suitable for use on transformers, generators, motors, vehicles and metal parts of all sorts, to remove surface oils, tars and heavy greases. The solvent can be used in parts cleaners to degrease surfaces prior to painting or plating. Solvent viscosity will change slightly with applications at different temperatures. At low temperatures, the solvent will become more viscous.

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Typical Physical and Electrical Properties

Not for specifications. Values are typical, not to be considered minimum or maximum. Properties measured at room temperature 73°F (23°C) unless otherwise stated.

Physical Property	Typical Value US units (metric)
Color	Colorless Liquid
Vapor Pressure 25°C (77°F)	0.2 mmHg
Vapor Density	> 1.00, Air = 1
Specific Gravity	0.76
Solubility In water	Not soluble
Flash Point	Closed Cup Open Cup
	144°F (62°C) 165°F (74°C)
Percent Volatile	100%
Halogen Content	< 10 ppm
Water Content	None
pH	Neutral
OSHA Hazard Class 29 CFR 1910.1200	Combustible Liquid
RCRA Waste Class 40 CFR 261.3	None
Odor	Faint Citrus
Boiling Point	380-480°F (193-249°C)

Electrical Property (Test Method)	Typical Value US units (metric)
Dielectric Strength (ASTM D877)	60 mil gap 500 volts/mil (20kV/mm)

Specifications - Product

Open Specification:

Cleaning solvent must be a low-halogen colorless dielectric liquid. It must effectively remove grease and oils from solid surfaces and be compatible with plastic and rubber cable insulations.

Closed Specification:

Clean all solid dielectric insulating surfaces and all metal parts with 3M™ Cable Cleaning Solvent CC Series. Clean surfaces per instruction found on product container labels.

Handling & Safety Precautions

Read all Health Hazard, Precautionary and First Aid statements found in the Safety Data Sheet (SDS) and/or product label of chemicals prior to handling or use.

Shelf-Life & Storage

3M™ Cable Cleaning Solvent CC Series has a shelf-life of 5 years, when stored indoors in an unopened condition between 40°F (4°C) and 122°F (50°C). Solvent cartons are date coded in the (YYDDD) format for date of manufacture.

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Availability

3M™ Cable Cleaning Solvent CC Series products can be purchased through your local authorized 3M electrical distributor.

CC-DRY Wiping Cloths are packaged 3 to a pouch; 10 pouches per case.

CC-2 Cable Cleaning Preparation Kits are packaged 10 kits per case.

CC-2-DRY Cable Cleaning Preparation Kits are packaged 10 kits per case.

CC-3 Cable Cleaning Pads are packaged 3 to a pouch; 10 pouches per case.

CC-DRY Wiping Cloths are lint-less, non-woven dry pads.

CC-2 Cable Cleaning Preparation Kits are assembled with three solvent saturated cleaning pads in an aluminum lift top container. A 120 grit, non-conductive abrasive is included to aid in cleaning cable insulation surfaces.

CC-2-DRY Cable Cleaning Preparation Kits contain a CC-2 Cable Cleaning Preparation Kit and a pouch of three dry lint-less cloths.

CC-3 Cable Cleaning Pads consist of three solvent saturated cleaning pads in a sealed pouch.

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Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability

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