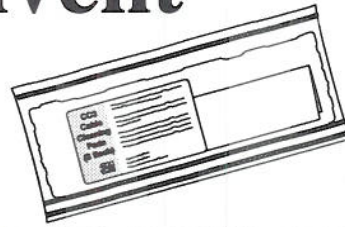
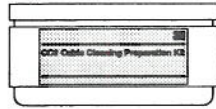


3M

Cable Cleaning Solvent

CC Series



Data Sheet

1. Product Description

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

CC series solvent is a colorless non-conducting liquid that emanates a light orange peel scent. It is compatible with all solid dielectric cable insulations, 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 three solvent containing products within the CC series to meet cleaning needs as follows:

- CC-2 Cable Cleaning Preparation Kits
- CC-3 Cable Cleaning Pad Kits
- CC-4 Cable Cleaning Solvent

Product Contents:

- CC-2 Cable Cleaning Preparation Kits are assembled with three solvent saturated cleaning pads in an aluminum lift top container. 120 grit, non-conducting abrasive is wrapped around the containers exterior to aid in cleaning cable insulation surfaces.
- CC-3 Cable Cleaning Pad Kits are assembled with three solvent saturated cleaning pads in a sealed plastic bag. Cleaning pads are easily accessed by cutting off one end of the bag.
- CC-4 Cable Cleaning Solvent is available in quart (0.946 liter) size non-breakable plastic containers. Shaped for easy handling and pouring, containers have lift dispensing pour spouts to minimize spillage.

2. Applications

CC series Cable Cleaning Solvent is compatible with all solid dielectric cable insulations; ie. polyethylene (high and low density), cross-linked polyethylene (XLP) and ethylene propylene rubber (EPR). In general, most plastic and rubber dielectrics are not adversely effected 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 temperature the solvent will become more viscous.

3. Data: Physical and Electrical Properties

Physical Properties

Test Method	Typical Value*
● Appearance	Colorless Liquid
● Vapor Pressure 25°C (77°F)	≈ 0.2 mm Hg
● Vapor Density	> 1.00 Air = 1
● Specific Gravity	0.76
● Solubility in water	Non Soluble
● Flash point Closed Cup	144°F (62°C)
Open Cup	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 Properties

Test Method	Typical Value*
● Dielectric Strength (ASTM D877-87 1/2" dia. spheres)	60 mil gap 500 volts/mil (20 kV/mm)

* Average values, not intended for specification purposes.

4. Specification Guide

Open Specification

Cleaning solvent must be a low halogen colorless dielectric liquid. It must effectively remove greases 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 Brand Cable Cleaning Solvent. Clean surfaces per instructions found on product container labels.

5. Availability and Packaging

3M CC series Cable Cleaning Products can be purchased through your local authorized 3M electrical distributor.

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

CC-3 Cable Cleaning Pad Kits are packaged 10 kits per carton.

CC-4 Cable Cleaning Solvent (quart containers) is packaged 4 quarts per carton.

6. Storage and Shelf Life

CC series Cable Cleaning Solvent can be stored for an indefinite period of time as supplied in unopened containers. The solvent is stable under temperatures normally found in shipping and storage, to 140°F (60°C). It is not effected by freezing storage temperatures. Solvent cartons are date coded for date of manufacture. 3M will guarantee a shelf life of two years from date of manufacture. Stock rotation practice is recommended.

Important Notice to Purchaser:

All statements, technical information and recommendations related to the Seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.

Any statements or recommendations of the Seller which are not contained in the Seller's current publications shall have no force or effect unless contained in an agreement signed by an authorized officer of the Seller. The statements contained herein are made in

lieu of all warranties expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose which warranties are hereby expressly disclaimed.

SELLER SHALL NOT BE LIABLE TO THE USER OR ANY OTHER PERSON UNDER ANY LEGAL THEORY, INCLUDING BUT NOT LIMITED TO NEGLIGENCE OR STRICT LIABILITY, FOR ANY INJURY OR FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES SUSTAINED OR INCURRED BY REASON OF THE USE OF ANY OF THE SELLER'S PRODUCTS.

3M

Electrical Products Division

6801 River Place Blvd.
Austin, TX 78726-9000



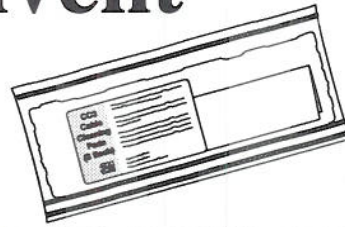
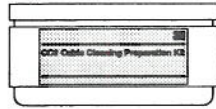
Recycled paper
40% pre-consumer
10% post-consumer

Litho in USA
© 1995 3M
80-6108-5099-4(1055) TG-1

3M

Cable Cleaning Solvent

CC Series



Data Sheet

1. Product Description

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

CC series solvent is a colorless non-conducting liquid that emanates a light orange peel scent. It is compatible with all solid dielectric cable insulations, 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 three solvent containing products within the CC series to meet cleaning needs as follows:

- CC-2 Cable Cleaning Preparation Kits
- CC-3 Cable Cleaning Pad Kits
- CC-4 Cable Cleaning Solvent

Product Contents:

- CC-2 Cable Cleaning Preparation Kits are assembled with three solvent saturated cleaning pads in an aluminum lift top container. 120 grit, non-conducting abrasive is wrapped around the containers exterior to aid in cleaning cable insulation surfaces.
- CC-3 Cable Cleaning Pad Kits are assembled with three solvent saturated cleaning pads in a sealed plastic bag. Cleaning pads are easily accessed by cutting off one end of the bag.
- CC-4 Cable Cleaning Solvent is available in quart (0.946 liter) size non-breakable plastic containers. Shaped for easy handling and pouring, containers have lift dispensing pour spouts to minimize spillage.

2. Applications

CC series Cable Cleaning Solvent is compatible with all solid dielectric cable insulations; ie. polyethylene (high and low density), cross-linked polyethylene (XLP) and ethylene propylene rubber (EPR). In general, most plastic and rubber dielectrics are not adversely effected 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 temperature the solvent will become more viscous.

3. Data: Physical and Electrical Properties

Physical Properties

Test Method	Typical Value*
● Appearance	Colorless Liquid
● Vapor Pressure 25°C (77°F)	≈ 0.2 mm Hg
● Vapor Density	> 1.00 Air = 1
● Specific Gravity	0.76
● Solubility in water	Non Soluble
● Flash point Closed Cup	144°F (62°C)
Open Cup	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 Properties

Test Method	Typical Value*
● Dielectric Strength (ASTM D877-87 1/2" dia. spheres)	60 mil gap 500 volts/mil (20 kV/mm)

* Average values, not intended for specification purposes.

4. Specification Guide

Open Specification

Cleaning solvent must be a low halogen colorless dielectric liquid. It must effectively remove greases 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 Brand Cable Cleaning Solvent. Clean surfaces per instructions found on product container labels.

5. Availability and Packaging

3M CC series Cable Cleaning Products can be purchased through your local authorized 3M electrical distributor.

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

CC-3 Cable Cleaning Pad Kits are packaged 10 kits per carton.

CC-4 Cable Cleaning Solvent (quart containers) is packaged 4 quarts per carton.

6. Storage and Shelf Life

CC series Cable Cleaning Solvent can be stored for an indefinite period of time as supplied in unopened containers. The solvent is stable under temperatures normally found in shipping and storage, to 140°F (60°C). It is not effected by freezing storage temperatures. Solvent cartons are date coded for date of manufacture. 3M will guarantee a shelf life of two years from date of manufacture. Stock rotation practice is recommended.

Important Notice to Purchaser:

All statements, technical information and recommendations related to the Seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.

Any statements or recommendations of the Seller which are not contained in the Seller's current publications shall have no force or effect unless contained in an agreement signed by an authorized officer of the Seller. The statements contained herein are made in

lieu of all warranties expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose which warranties are hereby expressly disclaimed.

SELLER SHALL NOT BE LIABLE TO THE USER OR ANY OTHER PERSON UNDER ANY LEGAL THEORY, INCLUDING BUT NOT LIMITED TO NEGLIGENCE OR STRICT LIABILITY, FOR ANY INJURY OR FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES SUSTAINED OR INCURRED BY REASON OF THE USE OF ANY OF THE SELLER'S PRODUCTS.

3M

Electrical Products Division

6801 River Place Blvd.
Austin, TX 78726-9000



Recycled paper
40% pre-consumer
10% post-consumer

Litho in USA
© 1995 3M
80-6108-5099-4(1055) TG-1