SqueekyKleen™
Cable Gel Remover

American Polywater® Corporation

TECHNICAL DATA SHEET

Description:

SqueekyKleen™ Cable Gel Remover effectively cleans filling gels and flooding compounds from fiber optic cables. Designed to quickly solubilize a wide range of gel types, SqueekyKleen™ results in quick and time-saving gel removal from buffer tubes, ribbon cable, and individual fibers. It easily removes flooding compounds from coaxial cables.

In just a few wipes, SqueekyKleen™ completely removes gels and leaves fibers fanned, ready for connection. It does not leave a residue. SqueekyKleen™ is compatible with most materials and plastics including polycarbonate, acrylate coating and ribbon fiber.

SqueekyKleen™ Cable Gel Remover is safe and easy to use. It lasts longer than fast evaporating alcohol and is ideal for gel removal. SqueekyKleen™ emits no dangerous vapors. With a high flash point, it is safe to transport. SqueekyKleen™ is the gel remover of choice for network and cable installers worldwide.

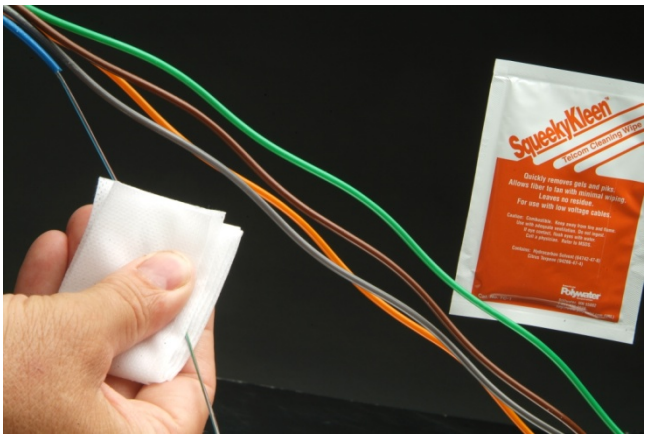
Cleaning Properties:

SqueekyKleen™ Cable Gel Remover dissolves a broad range of gels, filling and flooding compounds.

Property	Result
Gel Removal	Excellent (100% in less than 2 minutes)
Fiber Fan-Out	Excellent (<2 wipes to “squeak”)

Removal: A measured amount of PE/PJ or ETPR gel is spread onto a stainless steel spatula with a coating thickness of 0.5 mm. The spatula is stirred in the gel remover. The amount of gel removed is quantified by observation.

Fan-Out: A towel saturated in SqueekyKleen™ is wrapped around 12 to 18 fibers from a buffer tube. Using the thumb and forefinger to grasp the towel with firm pressure, the cable bundle is flattened and wiped clean. The fibers will fan apart when clean.



Product Benefits:

- No Alcohol Required
- Minimal Wiping
- No Residue
- Safe to Use on Ribbon Cable
- Fans Fibers Quickly
- Compatible with Most Plastics and Rubbers
- Multiple Package Options

End Use:

Removes Gels and Flooding Compounds from:

- Buffer Tubes
- Ribbon Cables
- Individual Fibers
- Coaxial Cables
- Connectors
- Splicing Tools

Physical Properties:

SqueekyKleen™ Gel Remover is a high purity solvent with low aromatic content. It does not leave a residue.

Property	Result
Flash point (ASTM D93)	>140°F (>60°C)
Initial Boiling Point	365°F (185°C)
Specific Gravity	0.79
Percent Aromatics	< 1%
Water Content (ASTM D1533B)	< 75 ppm
Evaporation Rate	Medium
Residue (ASTM D2369)	<100 ppm

Use Directions:

SqueekyKleen™ Cable Gel Remover is suitable for many types of gels and filling compounds. It cleans asphaltic or polybutene flooding compounds from coaxial cables. Use SqueekyKleen™ Remover to clean tools and work areas.

To clean and fan fibers, use the pre-moistened, SqueekyKleen™ Wipe. Do not open the towel. Start at the buffer tube and place stripped fibers into the fold of the towel. Use thumb and forefinger to flatten fibers. Press firmly on the fiber, pulling along the surface to wipe off the gel. Repeat action with a clean fold until fiber "squeaks" clean and fans. SqueekyKleen™ does not require further rinsing or cleaning with alcohol.

Safety:

SqueekyKleen™ Cable Gel Remover has a low level of toxicity and does not contain any listed carcinogens. It is combustible and should not be exposed to fire or flame. Good industrial hygiene practice and appropriate precautions should be employed during use. See MSDS for specific details.

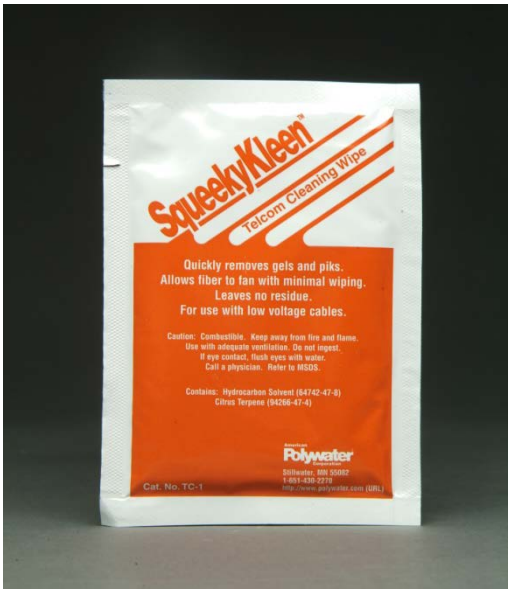
Wipe Package Convenience

SqueekyKleen™ Cable Gel Remover pre-saturated wipes are a convenient package with multiple safety benefits.

Control
Pre-saturated wipes minimize solvent exposure on sensitive fiber optic components. Directly spraying or immersing the part allows the solvent to puddle into small openings. Wipe cleaning will also ensure that the solvent evaporates more quickly.

Safety
The pre-saturated wipe package eliminates spill hazard and limits solvent vapor exposure. Wipes contain a carefully measured quantity of solvent and are an excellent way to control vapor. SqueekyKleen™ Cable Gel Remover does not require a follow-up wipe with alcohol, further reducing vapor exposure. The wipe package is a great choice for underground or confined space applications.

Convenience
Each wipe package utilizes non-linting, non-tearing towels. Clean wipes are always available, eliminating recontamination of fibers with dirty rags or lint.



Convenient wipe package controls solvent exposure and vapor emissions

Environmental Impact:

SqueekyKleen™ Cable Gel Remover Cleaner is a safer alternative to chlorinated solvents.

Property	Result
VOC Content	790 grams/liter
Global Warming Potential	Does not contain global warming compounds
Ozone Depletion Potential	None
CFC, HCFC, HFC Content:	None
CERCLA/SARA Status	Not regulated as a hazardous substance

Compatibility:

SqueekyKleen™ Gel Remover is compatible with most components used in the communications industry. It meets standard test requirements for the various materials in which it may come in contact.

Polyethylene
SqueekyKleen™ Gel Remover is compatible with polyethylene and does not cause environmental stress cracking. [1]

Polycarbonate
SqueekyKleen™ Gel Remover is safe on polycarbonate. Polycarbonate shows chemical resistance to SqueekyKleen with a resistant strain limit of >0.9%.[2]

Corrosivity:
SqueekyKleen™ Gel Remover will not corrode or stain metal parts. It does not tarnish or corrode copper. [3]

[1] Testing based on ASTM D1693, "Standard Test Method for Environmental Stress-Cracking of Ethylene Plastics." Polyethylene shows less than 20% stress cracking after 50°C for 14 days.

[2] Testing based on Mobay Corporation, Plastics and Rubber Division, "Chemical Compatibility Test for Unreinforced Thermoplastic Resins, 1989."

[3] Testing based on ASTM D130, "Standard Test Method for Detection of Copper Corrosion from Petroleum Products by the Copper Strip Tarnish Test."

Soak Testing:

Materials are immersed in SqueekyKleen™ Cable Gel Remover for 72 hours at 50°C (122°F). Some rubbers will swell, but should return to their original state once the cleaner evaporates. Wipe cleaning minimizes solvent exposure.

Plastics	% Weight Change	Appearance
ABS	+0.04	NC
Acrylic	-0.01	NC
Delrin®	+0.03	NC
Epoxy	0.00	NC
Nylon 66	-0.02	NC
Nylon 101	+0.07	NC
Polycarbonate	+0.04	NC
Phenolic	-0.05	NC
PPO	+0.02	NC
PVC	+0.01	NC
Teflon®	+0.03	NC
Tygon®	-0.25	NC
Ultem® 1000	-0.01	NC
Valox® 420	0.00	NC

Elastomers	% Weight Change	Appearance
Neoprene®	+9.31	SS
Nitrile	-2.01	NC
SBR	+47.34	S
Viton®	+0.07	NC

KEY:

NC = No Change
S = Swelling
ES = Extreme Softening
C = Crazing
SS = Slight Swelling
D = Disssolved

Testing based on ASTM D543, "Standard Test Method for Resistance of Plastics to Chemical Reagents."

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Model Specification:

The statement below may be inserted into a customer specification to help maintain engineering standards and ensure work integrity.

The Gel Remover solvent shall be at least 80% high purity, de-aromatized, aliphatic hydrocarbon enhanced with a cyclic terpene. Aromatic content shall be less than 1%. There should be no surfactants used in the Gel Remover and the residue shall be less than 100 ppm.

The Gel Remover shall dissolve a .020" (.5mm) film of PE/PJ or ETPR grease with less than two minutes of agitation. When wiping a 2-foot section of 24 count fiber from a buffer tube, a towel pre-saturated with the Gel Remover shall "squeak" the fibers with 3 wipes or less. The Gel Remover shall be compatible with materials typical to the communications industry.

The Gel Remover shall be safe to use. It shall have a flash point greater than 140°F (60°C). The Gel Remover shall not be a carcinogen or listed by CERCLA as a hazardous waste.

Order Information:

Cat #	Package Description
TC-1	Single, saturated wipe 144/case
TC-1D42	42 TC-1 in a dispenser pack
TC-16LF	1-pint bottle with flip top (480 ml) 12/case
TC-16LR	1-pint bottle with sprayer (480 ml) 12/case
TC-35LF	1-quart bottle with flip top (95 ml) 12/case
TC-35LR	1-quart bottle with 6 sprayers (95 ml) 12/case
TC-128	1-gallon jug (3.8 l) 4/case
TC-384	3 gallons in 5-gallon pail (11.6 liter)
TC-640	5-gallon pail (18.0 liter)
TC-96	3-quarts in a 1-gallon pail (2.85 liter)
TC-D300	Dispenser w/300 5"X6" (16 cm X 13 cm) Pre-moistened wipes
TC-DRUM	55-gallon drum (210 liter)

Makers of Polywater® and Dyna-Blue® Cable Lubricants and Pull-Planner™ Software

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