

Rubber Goods Cleaner



TECHNICAL DATA SHEET

Description:

Polywater® Rubber Goods Cleaner is a specially formulated water-based cleaner for removing grease, dirt, carbon, creosote, and other grimes from insulating blankets, lineman's gloves, rubber sleeves, jumper cables, hot jumpers, and line-hose. Polywater® Rubber Goods Cleaner is safe for use on all natural and synthetic rubbers.

Unlike other water-based rubber cleaners Polywater® Rubber Goods Cleaner contains no hazardous ingredients and is pH neutral, making it safe for use on skin. Polywater® Rubber Goods Cleaner is also completely biodegradable and safe for the environment.

Polywater® Rubber Goods Cleaner is ready to use and is available in multiple, convenient packages. It works well as a daily cleaner for field use.

Performance Properties:

Polywater® Rubber Goods Cleaner is safe on synthetic and natural rubber. It is also an effective cleaner. Polywater® Rubber Goods Cleaner removes difficult grimes with minimal soaking and wiping.

Used insulating rubber goods are obtained from a local utility. Samples are blackened with ground grime, typical of the industry. Polywater® Rubber Goods Cleaner is allowed to soak into the surface for 2 minutes. 90% of the grime is removed after 3 wipes.

<u>Property</u>	<u>Result</u>
Rubber Property-Effect of Liquids (ASTM D471)	Passes all tests
Specification for In-Service Care of Insulating Gloves and Sleeves (ASTM F496)	Passes all tests
Cleaning Strength	Excellent



Product Benefits:

- Great pre-wash prior to machine washing
- No mixing required
- Excellent cleaning power
- Harmless to all elastomers (rubbers)
- Multiple package options
- Environmentally friendly
- Non-toxic and non-corrosive
- Not an RCRA-regulated hazardous waste

End Use:

- Blankets
- Sleeves
- Line Hose
- Jumper Cables
- Grounds
- Lineman's Gloves

Approvals:

Approved by Salisbury (Honeywell Safety Products) for use with Salisbury Rubber Protective Parts.

Physical Properties:

Polywater® Rubber Goods Cleaner is a safe, water-based cleaner with excellent cleaning properties.

<u>Property</u>	<u>Result</u>
Flashpoint (ASTM D93)	No flash
Initial Boiling Point	~ 212°F (100°C)
pH	Neutral
Specific Gravity	< 1%
VOC Content	0 g/L

Compatibility:

Protective rubber gloves are exposed to Polywater® Rubber Goods Cleaner as described below, then washed and dried at the testing laboratory.¹ Gloves are inspected for defects. Items that fail visual inspection are rejected and immediately rendered unusable. Rubber goods additionally undergo an electrical test as specified by the "class rating" of the item and the ASTM and OSHA Standards (maximum 40kv A.C.). Again, any item that fails the electrical test is rejected.

Rubber Goods Exposed to Surface Wipe

<u>Class</u>	<u>Type</u>	<u>Visual Check</u>	<u>Electrical Test (max 40kv A.C.)</u>
00	1	PASS	PASS
00	2	PASS	PASS
0	2	PASS	PASS
1	1	PASS	PASS
2	1	PASS	PASS

Rubber Goods Exposed to 5-minute Soak

<u>Class</u>	<u>Type</u>	<u>Visual Check</u>	<u>Electrical Test (max 40kv A.C.)</u>
0	2	PASS	PASS
1	1	PASS	PASS

Rubber Goods Exposed to 24-hour Soak

<u>Class</u>	<u>Type</u>	<u>Visual Check</u>	<u>Electrical Test (max 40kv A.C.)</u>
00	1	PASS	PASS
00	2	PASS	PASS
0	2	PASS	PASS
1	1	PASS	PASS
2	1	PASS	PASS

¹ Tested by an independent NAIL® for PET (North American Independent Laboratories for Protective Equipment Testing) accredited laboratory in accordance with ASTM F496, "Standard Specification for In-Service Care of Insulating Gloves and Sleeves."

Soak Testing:

Polywater® Rubber Goods Cleaner is compatible with plastics and elastomers. Immersion will affect sensitive materials more than incidental contact of a spray and wipe.

Immersed 72 Hours at 122°F (50°C)

<u>Elastomers</u>	<u>% Weight Change</u>	<u>Appearance</u>
EPDM	NC	NC
EPDM (Type II) blanket, line hose	NC	NC
EPDM gloves	NC	NC
Natural Rubber	NC	NC
Natural Rubber (Type I) blanket	NC	NC
Natural Rubber (Type I) gloves	NC	NC
SALCOR® (Type II) blanket	NC	NC
Silicone	NC	NC

Immersed 28 Days at 70°F (21°C)

<u>Elastomers</u>	<u>% Weight Change</u>	<u>Appearance</u>
EPDM	NC	NC
EPDM (Type II) blanket, line hose	NC	NC
EPDM gloves	NC	NC
Natural Rubber	NC	NC
Natural Rubber (Type I) blanket	NC	NC
Natural Rubber (Type I) gloves	NC	NC
SALCOR® (Type II) blanket	NC	NC
Silicone	NC	NC

KEY:

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

Testing based on ASTM D471, "Standard Test Method for Rubber Property Effect of Liquids."

Type RBG™ Rubber Goods Cleaner is a trademark of American Polywater Corporation. SALCOR® is a trademark of W.H. Salisbury & Co.

Usage Directions:

Apply Polywater® Rubber Goods Cleaner by spraying, dipping, brushing, or wiping. Evenly coat rubber surface with cleaner. If using Polywater® Rubber Goods Wipe (RBG-1 or RBG-D72), open towel and use soft side to wipe down and fully wet surface of material.

Leave Polywater® Rubber Goods Cleaner on the surface of the material to be cleaned for 2 minutes or more to loosen and dissolve deposits.

Allow cleaner to soak material longer for more difficult grimes. The longer Polywater® Rubber Goods Cleaner is on the surface the more it penetrates and breaks loose the creosote, dirt, grease, oils and other grimes without harming the rubber surface.

Once material has soaked, wipe surface clean with a rag or towel. A minimal amount of scrubbing may be required.

Rinse material with water and either dry with a clean cloth or air dry before use. Use Polywater® Rubber Goods Cleaner daily to clean the rubber's surface for visual inspections to uncover burns, cuts, nicks, crush points, and abrasions on equipment and gloves.



For best results leave RBG cleaner on rubber goods for at least 2 minutes before wiping or scrubbing down surface.

To see a demonstration video of Rubber Goods Cleaner go to www.polywater.com/videos.asp

Safety:

Polywater® Rubber Goods Cleaner has a low level of toxicity and is environmentally friendly. Good industrial hygiene practice and appropriate precautions should be employed during use. See SDS for specific details.

Safe LIVE LINE Equipment Practices:

Proper protection and performance of rubber protective equipment requires a detailed visual inspection before each use. Visual inspection of rubber goods should be performed before each use in accordance with ASTM F1236 "Standard Guide for Visual Inspection of Electrical Protective Rubber Products". Rubber protective equipment should be checked for:

- Abrasions, cuts, crush points, gouges, holes, punctures, and tears
- Embedded foreign objects
- Ozone cutting or ozone checking
- Swelling, softening, hardening, stickiness, and inelasticity
- Any other defect that damages the rubber insulating properties of the protective equipment

Cleaning of rubber protective equipment is necessary not only for visual inspections but to preserve the protective equipment. Creosote, dirt, grease, and other contaminants can be conductive, especially when combined with moisture from rain, snow, and fog. Protective equipment should be cleaned daily and whenever contaminated during use. **Strong industrial cleaners and solvents may cause permanent damage to the rubber protective equipment.** These products may cause rubbers to swell, soften, and lose electrical insulating properties.

Polywater® Rubber Goods Cleaner is safe to use on all rubber products, including: covers, line-hose, gloves, sleeves, and insulating blankets. Daily use of Polywater® Rubber Goods Cleaner makes inspection of protective equipment easier and helps to maintain the electrical insulating properties of the equipment.

Model Specification:

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

The rubber goods cleaner shall be a pH neutral, water-based solution that effectively cleans all types of grimes from insulating rubber goods. The cleaner shall remove a wide variety of contaminants such as hydrocarbon grease, carbon grime, creosote, tree sap, fertilizer residue, soils and dirt.

The rubber goods cleaner shall be safe for use on all types of rubber goods, insulating blankets, lineman's gloves, rubber sleeves, jumper cables, and line hose. EPDM rubber, silicone rubber, and natural rubber shall not be affected when immersed in the rubber goods cleaner and tested according to ASTM D471, Standard Test Method for Rubber Property-Effect of Liquids. Rubber goods exposed to a 24-hour soak shall pass high voltage testing in accordance with ASTM F496, Standard Specification for In-Service Care of Insulating Gloves and Sleeves. **Standard testing must be completed by an independent, NAIL® for PET (North American Independent Laboratories for Protective Equipment Testing) accredited laboratory to verify testing compliance.**

The rubber goods cleaner shall not require dilution, shall be pH neutral, and shall not have a flashpoint. The rubber goods cleaner shall be available in a number of packaging options, including presaturated towels and spray trigger bottles.

Order Information:



Type RBG™ Rubber Goods Cleaner is available in multiple package options.

<u>Cat #</u>	<u>Package Description</u>
RBG-1	Individual saturated wipe (144/cs)
RBG-D72	72-count saturated wipe dispenser (6/cs)
RBG-35LR	1-quart bottle with sprayer (12/cs)
RBG-128	1-gallon bottle (4/cs)
RBG-640	5-gallon pail (1 ea)

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Important Notice: The statements here are made in good faith based on tests and observations we believe to be reliable. However, the completeness and accuracy of the information is not guaranteed. Before using, the industrial end-user should conduct whatever evaluations are necessary to determine that the product is suitable for the intended use.

American Polywater expressly disclaims any implied warranties and conditions of merchantability and fitness for a particular purpose. American Polywater's only obligation shall be to replace such quantity of the product proven to be defective. Except for the replacement remedy, American Polywater shall not be liable for any loss, injury, or direct, indirect, or consequential damages resulting from product's use, regardless of the legal theory asserted.

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Makers of Boom™ Cleaner, Live-Line Tool Cleaning and Wax Wipes (W-1) and Hot Stick Cleaner and Wax Repellent Wipes (S-1)

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