American Polywater® Corporation

RUBBER GOODS CLEANER

DESCRIPTION

Polywater® Rubber Goods Cleaner Type RBG™ removes grease, dirt, carbon, creosote, and other grimes from insulating blankets, lineman's gloves, rubber sleeves, jumper cables, hot jumpers, and line hose. Rubber Goods Cleaner is safe for use on all natural and synthetic rubbers.

Rubber Goods Cleaner contains no hazardous ingredients and is pH neutral, making it safe for use on skin. Rubber Goods Cleaner is also completely biodegradable and safe for the environment.

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

PERFORMANCE PROPERTIES

Rubber Goods Cleaner is safe on synthetic and natural rubber. It is also an effective cleaner. 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. Rubber Goods Cleaner is allowed to soak into the surface for 2 minutes. 90% of the grime is removed after 3 wipes.

PROPERTY	RESULT
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

Rubber Goods Cleaner is compatible with EPDM and natural rubber

PRODUCT FEATURES

- **Excellent Cleaner:** Restores the high visibility of rubber goods.
- **Multiple Packages:** Can be used in the field, in tool rooms, and in testing facilities.
- **Compatible:** Safe to use on EPDM and natural rubber.
- **Increases Reliability:** Uncovers hidden damage.
- **Biodegradable:** Environmentally friendly.

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.

COMPATIBILITY

Protective rubber gloves were exposed to Rubber Goods Cleaner as described below. Gloves were washed, dried, and inspected for defects at the testing laboratory.[1] 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. All gloves exposed to Rubber Goods Cleaner passed this testing.

RUBBER GOODS EXPOSED TO SURFACE WIPE			
CLASS	**TYPE**	**VISUAL CHECK**	**ELECTRICAL TEST (MAX 40kV A.C.)**
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			
CLASS	**TYPE**	**VISUAL CHECK**	**ELECTRICAL TEST (MAX 40kV A.C.)**
0	2	Pass	Pass
1	1	Pass	Pass

RUBBER GOODS EXPOSED TO 24-HOUR SOAK			
CLASS	**TYPE**	**VISUAL CHECK**	**ELECTRICAL TEST (MAX 40kV A.C.)**
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

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)		
ELASTOMERS	**% WEIGHT CHANGE**	**APPEARANCE**
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)		
ELASTOMERS	**% WEIGHT CHANGE**	**APPEARANCE**
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
S = Swelling
ES = Extreme Softening
C = Crazing
SS = Slight Swelling
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.

PHYSICAL PROPERTIES

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

PROPERTY	RESULT
Flash point (ASTM D93)	No flash
Initial boiling point	~212°F (100°C)
pH	Neutral
Specific gravity	1%
VOC content	0 g/L

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.

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

DIRECTIONS FOR USE

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

Leave 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 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 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 Rubber Goods Cleaning Video

SAFETY

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

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 flash point. The rubber goods cleaner shall be available in a number of packaging options, including presaturated towels and spray trigger bottles.

ORDER INFORMATION

CAT #	PACKAGE DESCRIPTION
RBG-1	Individual saturated wipe (144/cs)
RBG-D72	72-count saturated wipe dispenser (6/cs)
RBG-35LR	1-quart (.95 liter) bottle with sprayer (12/cs)
RBG-128	1-gallon (3.8 liter) bottle (4/cs)
RBG-640	5-gallon (18.9 liter) pail

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

CONTACT US

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American Polywater® Corporation