technical data

Semco® Pasa-Jell 101 and 101-M

for use on corrosion resistant steel, aluminum, and aluminum alloys

Use

- For cleaning and passivation of stainless steel.
- For removal of anodized coatings from aluminum.

Description

Semco® Pasa-Jell 101 and 101-M are blends of mineral acids, activators, and inhibitors.

Semco® Pasa-Jell 101 is designed to clean and passivate stainless steel that has started to corrode. It is convenient to use in field passivations because stainless steel equipment can be passivated without disassembling. Semco® Pasa-Jell 101-M does not contain an inorganic thickener, thereby permitting immersion of large parts in tanks of Semco® Pasa-Jell 101-M.

Semco® Pasa-Jell 101 and 101-M accomplish the passivation of stainless steel by removing foreign materials and corrosion products that could set up local cells and cause pitting corrosion, and by forming an extremely thin but corrosion-resistant adherent oxide film on the metal.

Semco® Pasa-Jell 101 and 101-M can also be used to remove anodized coatings from aluminum. Its consistency is such that it can be used for soft-stripping of anodized coatings, thus eliminating the need to mask areas to be welded when large aluminum sheets are to be anodized.

Physical properties (typical)

Color	White (translucent)
Weight per gallon	
Semco® Pasa-Jell 101	12 lbs.
Semco® Pasa-Jell 101-M	12 lbs.
Consistency	
Semco® Pasa-Jell 101	Thixotropic gel
Semco® Pasa-Jell 101-M	Liquid

Purchasing data

Product designation: When ordering this product designate Semco® Pasa-Jell 101 or Semco® Pasa-Jell 101-M.

Standard packaging

Designation	Container
Quart	Plastic bottle

Shipping classification

Corrosive Liquid, N.O.S. UN 3264.

Special shipping instructions

Class 8 - Corrosive label required.

Application

Remove oil or grease by wiping the area with an oil-free solvent (do not use reclaimed solvents) or by other effective methods. Allow the surface to dry. Apply Semco® Pasa-Jell 101 in a thick layer with a polyethylene, polypropylene, or fluorocarbon bristle brush. The coating should not be so thick that it will sag or run. Allow the coating to set for 5 to 10 minutes, then rinse with cool tap water. Allow the surface to dry.

The time required to remove anodized coatings will vary somewhat with the thickness, type, and age of the coating. Heavy corrosion or old, thick anodized coatings may require a second application of Semco® Pasa-Jell 101.

On copper bearing aluminum alloys, a dark smut may result if Semco® Pasa-Jell 101 is left on the surface too long. This smut can be easily removed with a reapplication of Semco® Pasa-Jell 101, which should then be removed as soon as the smut disappears.

Semco® Pasa-Jell 101-M should be used for immersion treatment of large metal surfaces in tanks.

Note: Tank linings for Semco® Pasa-Jell products should be made of polyethylene or unplasticized polyvinyl chloride.

PRC-DeSoto International
A PPG Industries Company

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Storage

Semco® Pasa-Jell 101 and 101-M have a storage life of one year without significant loss of activity when stored in a cool, dry area in the original, unopened containers.

Safety precautions

Danger: Extremely hazardous liquid and vapors.

Avoid contact with skin, eyes, and clothing. Causes irritation to skin, eyes, nose, and throat. Avoid breathing vapors. Store in a cool, dry area in tightly closed containers.

Health precautions

Semco® Pasa-Jell 101 and 101-M have been proven to be a safe material to handle when safety and handling precautions are followed. Avoid contact with skin and clothing. Wear rubber gloves, a face shield, and respiratory protection. Avoid breathing vapors. Always work in a well ventilated area. For complete health and safety information, consult the material safety data sheet.

In case of contact, immediately wash skin with large quantities of soap and water. Flush eyes with large quantities of water for 15 minutes or more. Remove all contaminated clothing and shoes. First aid may be required and a physician should be consulted.

If swallowed, give no emetic. Call a physician immediately. Give large quantities of water at once.

For chemical burns, wash the affected area with large quantities of water. Make sure all the adhering chemical is removed.

Disposal

Refer to the material safety data sheet.

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