

cleaning and passivation material/aluminum alloys

Use

For cleaning and passivating aluminum and aluminum alloys.

Description

Semco® Pasa-Jell 102 and 102-M are blends of mineral acids, activators, and inhibitors. They do not contain fluorides and can be used in applications where fluorides are prohibited.

Semco® Pasa-Jell 102 and 102-M are designed to clean and passivate aluminum and aluminum alloys. They accomplish the passivation 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 102 and 102-M can also be used to remove anodized coatings from aluminum, although it does not act as rapidly as Semco® Pasa-Jell 101. When spot removing anodized coatings, it will stay in place without running onto adjacent areas.

Physical properties (typical)

Color	White
Weight per gallon	
Semco® Pasa-Jell 102	12 lbs.
Semco® Pasa-Jell 102-M	12 lbs.
Consistency	
Semco® Pasa-Jell 102	Thixotropic gel
Semco® Pasa-Jell 102-M	Liquid

Purchasing data

Product designation: When ordering this product, designate Semco® Pasa-Jell 102 or Semco® Pasa-Jell 102-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 with an oil-free solvent (do not use reclaimed solvents) or by other effective methods. Allow the surface to dry. Apply Semco® Pasa-Jell 102 in a thick layer with a polyethylene, polypropylene, or fluorocarbon bristle brush. The coating should not be so thick that it will sag. Allow coating to set for 20 to 30 minutes and 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 an application of Semco® Pasa-Jell 101 prior to passivating with Semco® Pasa-Jell 102.

On copper bearing aluminum alloys, a dark smut may result if Semco® Pasa-Jell 102 is left on the surface too long. This smut can be easily removed with a reapplication of Semco® Pasa-Jell 102 which should then be removed as soon as the smut disappears.

Semco® Pasa-Jell 102-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.

Storage

Semco® Pasa-Jell 102 and 102-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 102 and 102-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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All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.