

TECHNICAL DATA SHEET

S-Weld PassGel-NP Code 1136

Conforms to ASTM A380 and ASTM A967 Passivation Treatments

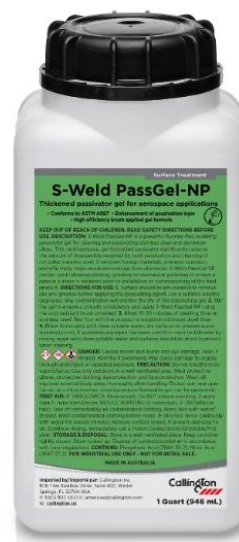


DESCRIPTION

Callington S-Weld PassGel-NP is a powerful fluorine-free oxidizing passivator gel for cleaning and passivating stainless steel and aluminium alloys. This multi-purpose, gel-formatted passivator significantly reduces the amount of disassembly required for both passivation and cleaning of corroded stainless steel. It removes foreign materials, prevents corrosion, and efficiently strips anodized coatings from aluminium. S-Weld PassGel-NP can be used following pickling, grinding or mechanical polishing to ensure a passive surface is obtained prior to installation or commissioning of the final product.

FEATURES & BENEFITS

- Gel consistency for ease of application.
- Enhancement of chrome oxide corrosion resistant (passive) layer.
- Dissolves any residual surface contamination.
- Improved quality of fabricated product.
- Conforms to
 - ASTM A380 and ASTM A967 Passivation Treatments
 - Collins Aerospace RPS 15.00 - SURFACE PREPARATION OF HEAT AND CORROSION RESISTANCE ALLOYS
 - Collins Aerospace RPS 15.52 - CLEANING OF ALUMINIUM



DIRECTIONS FOR USE

1. Surface should be pre-cleaned to remove oils and greases before applying the passivating agent. Use a suitable alkaline degreaser (contact your Callington Representative for suitable product). Any contamination will shorten the life of the passivating gel.
2. Stir the gel to ensure a smooth consistency and apply S-Weld PassGel-NP using the acid resistant brush provided.
3. Allow 10-20 minutes of dwelling time on stainless steel. Test first with the product to establish minimum dwell time.
4. Rinse thoroughly with clean potable water, dry surfaces to prevent water staining (smut). If a neutralizing agent has been used this must be followed by rinsing again with clean potable water and surfaces should be dried to prevent water staining.

TECHNICAL DATA SHEET

Note:

1. Wear PVC gloves, goggles, overalls and safety boots. Wear a respirator if working in a confined or poorly ventilated area.
2. Avoid spillages and do not allow gel to come in contact with the body or eyes. Avoid breathing in the vapours.
3. If skin contact occurs, immediately flush body and/or clothes with water. Remove all contaminated clothing.
4. Replace the lid on the container tightly after use, and store upright in a cool dry area away from direct sunlight. Do not store or use below 5°C.
5. S-Weld PassGel-NP has a recommended shelf life of twelve (12) months if stored as per above conditions (item 4).

ORDERING INFORMATION

Product Code	Packaging	Units/Carton
1136/32	1 quart	4 units

NB: S-Weld PassGel-NP is presented as a 1 quart (946mL) security cap plastic container, and each bottle comes with an acid resistant application brush.

PHYSICAL PROPERTIES

Specific Gravity: 1.40
Water Solubility: Miscible
pH (as supplied): < 1.0
Appearance & Colour: Thick white translucent gel

SAFETY PRECAUTIONS

Caution: This product contains Nitric and Phosphoric Acids, and is corrosive and poisonous. Wear appropriate chemical protective clothing, eye protection and breathing apparatus as necessary.

Do not use S-Weld PassGel-NP near open flames or cutting torches, since hazardous flammable gas can be generated. Keep lid tightly closed when not in use, and out of reach of children or unauthorised users.

If using in a poorly ventilated area, use a respirator.
If you require to neutralise the acidic waste residue; this can be done using S-Weld Neutraliser neutralising solution. Add using S-Weld Neutraliser until the colour changes to a pale pink colour.

DANGER

Causes severe skin burns and eye damage. Toxic if inhaled. Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure.

TECHNICAL DATA SHEET

PRECAUTION

Do not breathe mist/ vapours/spray. Use only outdoors in a well-ventilated area. Wear protective gloves, protective clothing, eye protection and face protection. Wash all exposed external body areas thoroughly after handling. Do not use near open flames or cutting torches, since hazardous flammable gas can be generated.

FIRST AID

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If more than 15 mins from Doctor, INDUCE VOMITING (if conscious). IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Center/doctor/physician/first aider. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

STORAGE & DISPOSAL

Store in a well-ventilated place. Keep container tightly closed. Store locked up and in corrosive resistant container with a resistant inner liner. Dispose of contents/container in accordance with local regulations.

CONTAINS: Phosphoric Acid (7664-38-2); Nitric Acid (7697-37-2).
FOR INDUSTRIAL USE ONLY - NOT FOR RETAIL SALE.

WARRANTY – All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, expressed or implied, for which seller assumes legal responsibility and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent.
Created 23 August 2019 Date Printed 25/06/2024 10:22 AM