

TECHNICAL DATA SHEET

S-WELD PASSIVATOR SOLUTION

Passivating Solution for Stainless Steel

Code 1131

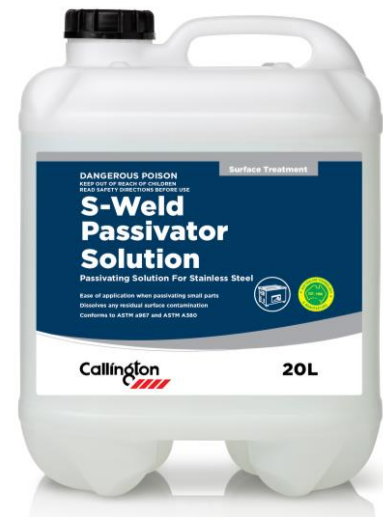


DESCRIPTION

S-Weld Passivator is a powerful oxidising solution for the passivation of stainless steel, duplex steel and Inconel alloys. S-Weld Passivator can be used following pickling, grinding or mechanical polishing of stainless steel to ensure a passive surface is obtained prior to installation or commissioning of the final product. As with liquid pickling solution a bath/emersion passivation method produces the best results as it reaches all areas of the surface.

FEATURES & BENEFITS

- Conforms to ASTM a380 and ASTM a967 passivation treatment
- Ease of application when passivating small parts, ensuring all areas are reached
- Enhancement of chrome oxide corrosion resistant (passive) layer
- Dissolves any residual surface contamination, preventing corrosion
- Improved quality of fabricated product, ensuring a longer life span
- Economical as there is no loss of the passivation solution and it can be reused many times



DIRECTIONS FOR USE

1. Surfaces should be pre-cleaned to remove any oils and greases before applying passivating agent. Callington has S-Weld Brite Wash as a pre-cleaner. Any contamination will shorten the life of the passivating solution.
2. Apply by dip immersion, wiping or spraying using a non-atomising acid resistant pump.
3. The material is lowered into the bath in a manner that will ensure complete immersion. With small objects they should be contained in a basket to allow easy removal. Always allow time for the material or basket to drain to prevent loss of liquid.
4. Application Times

Grade of Stainless	Temperature 20 - 38°C	Temperature 50 - 70°C
200,300,400 Series	30 – 45 minutes	10 – 30 minutes
Duplex	30 – 45 minutes	10 – 30 minutes
Super Duplex	30 – 45 minutes	10 – 30 minutes
Inconel 625, 825	30 – 45 minutes	10 – 30 minutes

5. Rinse thoroughly with clean potable water, dry surfaces to prevent water staining (smut). If a neutralising 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

PHYSICAL PROPERTIES

Boiling Point:	N/A
Specific Gravity:	1.20
Water Solubility:	Miscible
pH (as supplied):	< 1.0
Appearance & Colour:	Clear, water white liquid

ORDERING INFORMATION

Product Code	Packaging	Units/Carton
1131/51	20 litres	Each
1131/64	200 litres	Each

DANGER

Maybe corrosive to metals. Harmful if inhaled. Causes severe skin burns and eye damage.

PRECAUTION

Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Keep only in original container.

FIRST AID: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. 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 or doctor/physician. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

STORAGE & DISPOSAL

Store locked up. Dispose of contents/container in accordance with local regulations.

ADDITIONAL HANDLING PROCEDURES

Wear PVC gloves, goggles, overalls and safety boots. Wear a respirator if working in a confined or poorly ventilated area. Avoid spillages and do not allow gel to come in contact with the body or eyes. Avoid breathing vapor. If skin contact occurs, immediately flush body and/or clothes with water. Remove all contaminated clothing. 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. S-Weld Passivator has a recommended shelf life of twelve (12) months if stored as per above conditions (item 4).

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 4th September Date Printed 21/09/2020 4:50 PM