

MATERIAL SAFETY DATA SHEET FOR PICKLING CHEMICALS

PRODUCT & COMPANY IDENTIFICATION

Product Name : - T-Clean Passivation S-3
Package : - 5 Kg container & 35 Kg
Application : - Passivation of Stainless steel

DESCRIPTION

T-Clean Passivation is a powerful oxidising solution for the passivation of stainless steel fabricated products.

T-Clean Passivation 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.

PHYSICAL PROPERTIES

Boiling Point : N/A
Specific Gravity : 1.20
Water Solubility : miscible
Ph (as supplied) : <1.0
Appearance & Colour : Clear White

BENEFITS

Ease of application when passivating small parts.
Enhancement of chrome oxide corrosion resistant (passive) layer. Dissolves any residual surface contamination.
Improved quality of fabricated product.

DIRECTIONS FOR USE

1. Surfaces should be pre-cleaned to remove oils and greases before applying passivation agent. Use T-Clean Passivation S-3. Any contamination will shorten the life of the Passivation solution.

2. Application Time

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

3. 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.

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 vapour.
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. T - Clean Passivation has a recommended shelf life of twelve (12) months if stored as per above conditions (item 4).

PACKAGING

T-Clean Passivation is presented in a 5 Kg container & 35 Kg security cap plastic container

SAFETY PRECAUTIONS

CAUTION: This product contains are Nitric & citric acid base.

Wear appropriate chemical protective clothing, eye protection and breathing apparatus as necessary.

Do not use T-Clean Passivation 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.

Refer to the T-Clean Passivation Material Safety Data sheet for further safety information. A copy of the Material Safety Data sheet can be obtained on request from our office.

OTHER TREATMENT PRODUCTS

1. T-Clean Gel S-1 (Metal weld clean Gel form)
2. T-Clean Spray S-2 (Metal weld clean Spray liquid)
3. T-Clean Passivation S-3 (Metal passivation chemicals)
4. T-Clean Cleaner S-4 (Metal oil remove chemicals alkaline base)
- 5 T-Clean Deep S-5 (Metal cleaning liquid deep)
6. E.P Chemicals (Metal reverses current electro polishing chemicals)
7. E.P Brightener (Metal reverses current electro polishing brightness)
8. Top coat (Metal top coat cleaner lacer (water base)
9. Heating protector lacer (Metal Heating protector lacer)
10. Anti spatter (Metal weld spatter adhering)