

MATERIAL SAFETY DATA SHEET FOR PICKLING CHEMICALS

Product and company identification

Product Name : - S-1 pickling gel
 Package : - 1 Kg container & 5 Kg, 35 Kg
 Application : - Pickling of Stainless steel

S-1 Weld Clean utilises innovative Australian technology for the formulation of a high adhesion stainless steel pickling gel. It is used to remove the black oxide marks and heat tint left during welding of stainless steel. S - 1 Weld Clean leaves a clean professional finished stainless steel weld area.

Physical and chemical properties

Boiling Point : 60-100 C
 Specific Gravity : 1.24 - 1.26
 Water Solubility : Freely soluble in water
 PH (as supplied) : <1.0 at 20
 Appearance & Colour : Opaque, white acidic gel, pungent acidic odour
 Density : 1.2 - 1.3 g/cm³ at 20 C
 Viscosity at 23 c : >10000 maps'
 Flash point : Not Applicable

Composition information on ingredients

Hazardous chemicals	CAS-NO	EEC-NO	Contents	Risk code
Nitric Acid/ HNO	7697-37-2	231-741-2	Approx 10%	C- corrosive/ R35
Hydrofluoric acid / HF	7664-39-3	231-634-8	Approx 07%	T- toxic/ R23,24,25
Additional content	-----	-----	Approx 83%	Non acidic content

Benefits

- Quick acting
- One step treatment
- Comes complete with own acid resistant application brush
- Completely water rain sable
- Convenient size packs - no wastage
- Can be used on vertical and overhead surfaces

Directions for use

1. Clean the weld area carefully using a stainless steel brush.
2. Roll or shake the drum of T-clean if possible for 30 seconds prior to opening the Container to ensure a smooth consistency, especially if the product has not been used for a long time.
3. After welding ensure the area to be pickled has sufficient time to cool below 40°C.
4. Apply the S-1 Weld Clean gel to the area to be pickled with the brush provided.
5. Application times may vary depending on ambient temperatures. the grade of stainless, surface finish or the method of welding. On a hot rolled surface the pickling time may increase by 50%. MIG welds may require longer pickling times than those obtained using covered electrodes. Allow the pickling gel or solution sufficient time to react with the surface. With high ambient temperatures or when longer pickling times are required, it may be necessary to repeat the process. Should the product dry on the surface wash down, dry and repeat the process.
6. To clean, rinse the surface with clean potable water. The best results are obtained by the use of high pressure water jet or similar. Ensure the pickle residues are not left on the surface.

DO NOT OVER PICKLE - The best results are obtained by continuous visual inspection of the surface.

Grade	Pickling Time	Temperature °C
S.S 304,316	10 - 30 minutes	21 -50

Risk Parameters

1. Risk R-23 / 24 / 25 & R - 35.
- 2 Do not inhale fumes and avoid contacts with eye skin and body.
- 4 If skin contact occurs, apply Calcium Gluconate gel 2.5% and 3% Magnesium sulphate.
5. Replace the lid on the container tightly and store upright in a cool dry area away from Direct sunlight. Do not store or use below 5°C.
6. S-Weld Clean has a recommended shelf life, in good storage conditions, of twelve (18) Months.

Package sizes

S-1 Weld Clean Paste comes in to convenient sizes 1 kg, 5 kg & 35 kg each pack.
Comes with an acid resistant application brush.

Safety precautions

Caution: This product contains Acidic and corrosive and poisonous.

- 1 Wear gas mask with chlorine filter type B (grey) & dust filter P2, Rubber gloves, Face shield goggles, and rubber boot with acid resistant cloth, avoid spillage or splashes.
- 2 Do not use S-1 Weld Clean Paste near open areas or cutting torches, since a hazardous. Amiable gas can be generated. Keep lid tightly closed when not in use. Store in a cool, dry Spot away from direct sunlight.
- 3 Keep out of reach of children.
- 4 If using in poorly ventilated areas, use a respirator equipped with an acid fume type filter. If you have to neutralise the S1 - Weld Clean residue, this can be done using S-Weld Neutraliser neutralising solution. Add S-Weld Neutraliser until the colour changes to a pale pink colour.

Safety parameters'

S-1 / 2 / 7 / 26 / 28 / & S- 36 / 37 / 39

Refer to the S-1 Weld Clean Paste Material Safety data sheet for further safety information a copy of this sheet can be obtained on request from our office.

Other treatment products

1. Paste (Metal weld clean paste form)
2. Spray (Metal weld clean Spray liquid)
3. Passivation (Metal passivated chemicals)
4. Cleaner (Metal oil remove chemicals)
5. Deep (Metal cleaning liquid dip)
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)