

## MATERIAL SAFETY DATA SHEET FOR PICKLING CHEMICALS

### Product and company identification

**Product Name :- T-Clean Eco Gel (Eco base gel)**

**Package :- 1 Kg container & 5 Kg,**

**Application :- Pickling of Stainless steel**

**Eco Weld Clean utilises innovative Australian technology for the formulation of a high adhesion stainless steel pickling spray. It is used to remove the black oxide marks and heat tint left during welding of stainless steel. Eco Gel leaves a clean professional finished stainless steel 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 Clear Spray**  
**Density : 1.2 - 1.3 g/cm<sup>3</sup> at 20 C**  
**Viscosity at 23 c : >10000 maps'**  
**Flash point : Not Applicable**

### Composition information on ingredients

<u>Sr.no</u>	<u>Parameters</u>	<u>Value obtained</u>	<u>Unit</u>	<u>Specification</u>
1	Appearance	Gel Form	----	Gel Form
2	AB power contents	15	%	10 to 25
3	Hydroxypropanetricarboxylic Chem.	17	%	12 to 20
4	Nitrate Powder	25	%	-----
5	Water content	35	%	20 to 50
6	Other content	08	%	-----

## Benefits

**Smoothly acting**

**No Skin irritated & Fumeless product**

**Comes complete with own Chemicals resistant application brush**

**Completely water rain product**

**Convenient size packs - no wastage**

**Can be used on vertical and overhead surfaces**

**One step treatment**

## Directions for use

- 1. Clean the weld area carefully using a stainless steel spray chemicals.**
- 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 Eco spray to the area to be pickled with the spray pump 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.**

<b>Grade</b>	<b>Pickling Time</b>	<b>Temperature °C</b>
<b>S.S 304,316</b>	<b>45-60 minutes</b>	<b>21 -50</b>

## Risk Parameters

- 1 nothing inhale fumes and avoid contacts with eye contact.
- 2 skin contact not severely irritating.
- 3 If skin contact occurs, apply Calcium Gluconate gel 2.5% and 3% Magnesium sulphate.
4. 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.
5. T-Clean has a recommended shelf life, in good storage conditions, of twelve (12) Months.
- 6 Chronic toxicity data is not available

## Safety precautions

- 1 Wear gas mask & dust filter P2, Rubber gloves, Face shield goggles, and rubber boot with acid resistant cloth, avoid spillage or splashes.
- 2 Do not use heat areas 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 working in air circulate areas

## 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 passivated chemicals)
4. **T-Clean Cleaner S-4** (Metal oil remove chemicals alkaline base)
5. **T-Clean Deep S-5** (Metal cleaning liquid deep)
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)