



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	:- T-Clean Spray C-2 (Citric base Spray)
Package	:- 5 Kg container & 35 Kg,
Application	:- Pickling of Stainless steel
Product Use	:- Prevents Spatter Build Up in Welding Operations
Item brand	:- T-Clean
Manufacturer	:- Techno services
Physical Address	:- 242 / 243, G.I.D.C Kabilpor, 396424 , P.O. Box no.396424
Business Phone	:- 99245-59751 / 76220-05114
E-mail Address	:- <a href="mailto:tcleannvs@gmail.com">tcleannvs@gmail.com</a>
Web Address	:- <a href="http://www.tclean.in">www.tclean.in</a>
WHMIS Classification	:- Not Regulated

C-2 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. C-2 Spray leaves a clean professional finished stainless steel area.

### 2. 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

### 3.COMPOSITION INFORMATION ON INGREDIENTS

Sr.no	Parameters	Value obtained	Unit	Specification
1	Appearance	Spray Form	-----	Spray Form
2	Citric contents	15	%	10 to 25
3	Hydroxypropanetricarboxylic Acid	17	%	12 to 20
4	Powder content	25	%	-----
5	Water content	35	%	20 to 25

### 4.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.



## 4. DIRECTIONS FOR USE

Clean the weld area carefully using a stainless steel spray pump .

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.

After welding ensure the area to be pickled has sufficient time to cool below 40°C.

Apply the C-2 spray to the area to be pickled with the spray pump provided.

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.

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	30 - 45 minutes	21 -50



## 5. RISK PARAMETERS

Risk R-23 / 24 / 25 & R - 35.

Do not inhale fumes and avoid contacts with eye skin and body.

If skin contact occurs, apply Calcium Gluconate gel 2.5% and 3% Magnesium sulphate.

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.

T-Clean has a recommended shelf life, in good storage conditions, of Eighteen (18) Months.

## 6. PACKAGE SIZES

C-2 Weld Clean Spray comes in to convenient sizes 5 kg & 35 kg each pack.

## 7. SAFETY PRECAUTIONS

**Caution:** This product contains Acidic and corrosive and poisonous.

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.

Do not use C-2 Weld Clean Spray 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.

Keep out of reach of children.

If using in poorly ventilated areas, use a respirator equipped with an acid fume type filter. If you have to neutralise the C- 2 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.

## 8. TOXICOLOGICAL INFORMATION

No product toxicological information is available.



## 9. SAFETY PARAMETERS

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

Refer to the C-2 Weld Clean Spray Material Safety data sheet for further safety information a copy of this sheet can be obtained on request from our office.

## 10. STORAGE REQUIREMENTS

Keep out of reach of children.

Do not store near heat, sparks, or open flames.

Do not expose to temperatures above 120°F as container may vent, rupture or burst.

Do not puncture container.

## 11. STABILITY AND REACTIVITY

Stability	:-	Product is stable under normal conditions.
Conditions to avoid	:-	Heat, sparks, open flames and temperatures above 120°F.
Materials to avoid	:-	Strong Oxidizing Agents.
Hazardous decomposition	:-	CO, CO <sub>2</sub> .
Hazardous polymerization	:-	Will not occur.

## 12. ECOLOGICAL INFORMATION

Environmental effects	:-	This product has not been tested for environmental effects.
Important environmental		
Characteristics	:-	N/Av
Aquatic toxicity	:-	N/Av



## 13. DISPOSAL CONSIDERATIONS

If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations. Collected reinstated materials from spills may be hazardous wastes, and therefore subject to local, state and federal regulations.

## 14. TRANSPORTATION INFORMATION

Dot class	:-	Non-Flammable Gas (2.2) #2.2
Un number	:-	UN 1950, Class: 2
Proper shipping name	:-	Aerosols, non Corrosive, Packing Group II or III, (each not exceeding 1 L & 5 L capacity)

## 15. REGULATORY INFORMATION

Available information suggests this product does not contain any dangerous or regulated materials.

## 16. OTHER INFORMATION

Person using this product. Product use and conditions of use are beyond the control of T-clean. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties. This SDS format is in accordance with T-clean provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person. Expressions or implied, are made.