



## MATERIAL TECHNICAL DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	:- T-Clean Deep S-5
Package	:- 35 Kg container ,
Application	:- Pickling & Passivation of Stainless steel
Product Use	:- Pickling & passivation Both After 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 /7622005114
E-mail Address	:- <a href="mailto:tcleanvs@gmail.com">tcleanvs@gmail.com</a>
Web Address	:- <a href="http://www.tclean.in">www.tclean.in</a>
WHMIS Classification	:- Not Regulated

T-Clean Deep S-5 Weld Clean utilises innovative American standard technology for the formulation of a high adhesion stainless steel pickling & passivation chemical. It is used to remove the black oxide marks and heat tint left during welding of stainless steel. T-Clean Deep S-5 leaves a clean professional finished stainless steel weld area.

### 2. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	:- 120 C
Specific Gravity	:- 1.24 - 1.26
Water Solubility	:- Freely soluble in water
Vapour Density	:- > Air
Evaporation Rate	:- Same as water
Appearance & Colour	:- Opaque, white liquid
Density	:- 1.4 - 1.8 g/cm <sup>3</sup> at 30 C
Flash point	:- Not Applicable



### 3.COMPOSITION INFORMATION ON INGREDIENTS

Hazardous chemicals	CAS-NO	Contents
Nitric Acid / HNO <sub>3</sub>	7697-37-2	15 to 20 %
Hydrofluoric Acid / HF	7664-39-3	02 to 05 %
Additional Content	-----	75 to 83 %

### 4.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 CSS S-5 s-weld clean has a recommended self life, in good storage conditions of eighteen (18) months.

### 5.BENEFITS

Quick acting.

One step treatment.

Completely water rain soluble.

### 6. HANDLING & STORAGE

Precautions of Safety : - Ensure good ventilation.

Storage : - Store in accordance with all national regional and local regulations pertaining to storage, handling, dispensing and disposal of acids.

Packing Material : - 35 kg container.



## 7. DIRECTIONS FOR USE

- Water Cleaning : - Clean the article with water using water jet pump.
- Washing (S-4) : - Clean the surface with T-clean S-4 for remove oil, Varnish, paints..
- Water Cleaning : - Clean the article with water using water jet pump.
- Acid Wash : - We use depend on your articles (S-6 Cold) to remove weld oxide scale, discolour shade for uniform surface inside
- Water Cleaning : - Then clean the article Deeping in water tank for 10 minutes.
- Hot Air Dry : - Just dry the articles
- Inspection : - After testing and then article is ready for the dispatch

Grade	Pickling Time	Temperature °C
S.S 304,316	20 - 40 minutes	21 -50

## 7. SPECIAL PROTECTION INFORMATION

Ensure Good Ventilation

Respiratory Protection : - Not generally required

Protective Gloves : - Viton

Eye Protection : - Safety glasses with splash shields or faceshields

Other Measures : - Long sleeves, Chemical resistance boots, Protection apron.

## 8. EMERGENCY AND FIRST AID

Move victim to fresh air, rest and keep warm. Apply artificial respirator if breathing has stopped or is irregular. Call a doctor.

Removes contaminated clothing. Wash affected areas well with water, If irritation.



## 9. TOXICOLOGICAL INFORMATION

No product toxicological information is available.

## 10. REGULATORY INFORMATION

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

## 11. FIRE AND EXPLOSION

Fire Extinguishing Data :- Non-inflammable product. Would any material saturated with this product be subject to spontaneous combustion? :- No.

Equipment for protection :- Wear gas mask with chlorine filter type B (grey) & dust filter P2, Rubber gloves, Face shield goggles, and rubber boot with acid resistant cloth.

## 12. FIRE AND EXPLOSION

General Precautions :- Avoid contacts with eye skin and body.

Protection material :- Gas mask, rubber gloves, rubber boot with acid resistant cloth.

Eye Protection :- Face shield goggles.

## 13. ENVIRONMENTAL INFORMATION

Fate & Distribution Persistence & Degradation :- High tonnage material produced in wholly contained systems.

:- The substance is soluble in water.



## 14. STABILITY AND REACTIVITY

- Stability :- As supplied it is stable at normal temperature & pressure.
- Conditions to avoid :- DO NOT OVER PICKLE - The best results are obtained by continuous visual inspection of the surface.

## 15. ECOLOGICAL DATA

Non-toxic to Aquatic Organisms Fathead Minnow (*Pimephales promelas*) LC50 > 200mg/L at 96 hours.

## 16. OTHER

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 expressed or implied, are made.