



MATERIAL TECHNICAL DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	:-	T-Clean Cold (S-6)
Package	:-	5 Kg container & 35 Kg,
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	:-	tcleanvs@gmail.com
Web Address	:-	www.tclean.in
WHMIS Classification	:-	Not Regulated

T-Clean S-6 Cold 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 S - 6 Cold 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 ³ at 30 C
Flash point	:-	Not Applicable



3.COMPOSITION INFORMATION ON INGREDIENTS

Chemicals	CAS-NO	Contents
Sulfuric Acid	7664-93-9	05 to 10 %
Sodium Dichromate	7789-12-0	08 to 15 %
Nitric Acid / HNO	7697-37-2	15 to 20 %
Citric Content	77-92-9	05 to 15 %
Hydrofluoric Acid	7647-01-0	02 to 08 %
Additional Content	-----	28 to 60 %

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 cold S-6 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

8. 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.

9. 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.



10. TOXICOLOGICAL INFORMATION

No product toxicological information is available.

11. REGULATORY INFORMATION

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

12. 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.

13. 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.

14. ENVIRONMENTAL INFORMATION

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

:- The substance is soluble in water.



15. 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.

16. ECOLOGICAL DATA

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

17. 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.



TECHNO SERVICES

PICKLING & PASSIVATION CHEMICALS MFG

PLOT: 242 / 243, G.I.D.C., KABILPORE, NAVSARI - 396 424. TEL.: 7622005114/ Mobile: +91 99245 59751

E-Mail: tcleanvs@gmail.com / rdeepeshq@yahoo.com / web.www.tclean.in