



MATERIAL TECHNICAL DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	:-	T-Clean Spray (400 series)
Package	:-	35 Kg container
Application	:-	Pickling of Carbon steel
Item brand	:-	T-Clean
Manufacturer	:-	Techno services
Physical Address	:-	242 G.I.D.C, kabilpor, Navsari-.396424
Business Phone	:-	99245-59751 /76220-05114
E-mail Address	:-	tcleannvs@gmail.com
Web Address	:-	www.tclean.in

T-Clean Spray (400 series) utilises innovative American standard technology for the formulation of a high adhesion Carbon steel pickling chemical. It is used to remove the black oxide marks and heat tint left during welding of Carbon steel. T-Clean Spray (400 series) leaves a clean professional finished carbon 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

Hazardous chemicals	CAS-NO	Contents
Nitric Acid	7697-37	15-25 %
Hydrofluoric Acid	7664-39-3	02-05 %
Additional Content / Water	-----	70-83 %

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 Spray (400 series) has a recommended self life, in good storage conditions of eighteen (18) months.

5. BENEFITS

Quick acting.

One step treatment.

Completely water rain soluble.

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

Grade	Pickling Time	Temperature °C
Material 402,403,410	25 - 40 minutes	21 -50



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 : - 05 kg container

7. SPECIAL PROTECTION INFORMATION

Ensure Good Ventilation

- Respiratory Protection : - Not generally required.
- Protective Gloves : - Viton.
- Eye Protection : - Safety glasses with splash shields or face shields.
- Other Measures : - Long sleeves, Chemical resistance boots, Protection apron.

8. EMERGENCY AND FIRST AID PROCEDURE

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. FIRST AID MEASURES

- Inhalation :- No health effects anticipated from inhalation.
- Ingestion :- If swallowed, do not induce vomiting. Get medical attention immediately.
- Eye contact :- immediately flush with plenty of clear water for atleast 15 minutes. Make sure to flush under the Eyelids.
- Skin Contact :- Remove with soap and water. Continue flushing with water for several minutes. Use skin cream to counter resulting dryness. Consult a physician if irritation continues.

11. ACCIDENTAL RELEASE MEASURES

- Leak / spill response :- Ensure that all spilled material is promptly cleaned up. Absorb with inert material such as vermiculite or paper towels, place in a chemical waste container for eventual disposal. Seal and label the container as waste. Dispose of in accordance with all federal, state, provincial and local regulations.
- Special instructions :- Avoid contact with eyes, or prolonged contact with skin. Wash thoroughly after handling. Keep away from food, and out of reach of small children.

12. REGULATORY INFORMATION

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



13. ECOLOGICAL

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

14. DISPOSAL

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

15. TRANSPORTATION

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)

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.