



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name :- T-Clean Pickling Gel S-1
Package :- 1 Kg container & 5 Kg
Application :- Pickling of Stainless Steel Manufacturer
Name & Address :- Techno Services
Plot no 242 / 243, G.I.D.C, Kabilpor, Navsari.
Responsible Person :- Deepesh Rathore

S-1 Weld Clean utilises innovative Australian technology for the formulation of a high adhesion stainless steel pickling gel. It is used to remove the black oxide marks and heat tint left during welding of stainless steel. S-1 Weld Clean leaves a clean professional finished stainless steel weld area.

2. INFORMATION OF MAJOR INGREDIENTS

Hazardous chemicals	CAS-NO	EEC-NO	Contents	Risk code
Nitric Acid/ HNO	7697-37-2	231-741-2	Approx 10%	C- corrosive/ R35
Hydrofluoric acid / HF	7664-39-3	231-634-8	Approx 07%	T- toxic/ R23,24,25
Additional content	-----	-----	Approx 83%	Non acidic content

3. STABILITY AND REACTIVITY

Stability :- As supplied it is stable at normal temperature & pressure.
Conditions to avoid :- DO NOT OVERPICKLE - The best results are obtained by continuous visual inspection of the surface. Pickling Time 10-30 minutes & temperature 21-50 °C.

PLOT: 242 / 243, G.I.D.C., KABILPORE, NAVSARI - 396 424. TEL:76220-05114/ Mobile:+91 99245-59751

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4. HAZARD IDENTIFICATION

Main Risk :-

Risk R-23 / 24 / 25 & R - 35. If skin contact occurs, apply Calcium Gluconate gel 2.5% and 3% Magnesium sulphate.

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

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.

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

5. 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 acidic gel, pungent acidic odour
Density	:- 1.2 - 1.3 g/cm ³ at 20 C
Viscosity at 23 c	:- >10000 maps'
Flash point	:- Not Applicable

6. TOXICITY DATA

- Contact with skin :- If skin contact it is burn.
- Contact with eyes :- Damage.
- Inhalation :- Do not inhale fumes.
- Ingestion :- Wear gas mask with chlorine filter type B (grey) & dust filter P2, Rubber gloves, Face shield goggles, and rubber boot with acid resistant cloth.

7. FIRST AID MEASURES

- Skin Contact :- Apply Calcium Gluconate gel 2.5% and 3% Magnesium sulphate.
- Eye Contact :- Immediately take plenty of water and wash eye. Take immediate Medical treatment.

8. FIRE AND EXPLOSION HAZARD

- 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.

9. PERSONAL PROTECTION

- 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.

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10. HANDLING AND STORAGE

Handling :-

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.

Do not use S-1 Weld Clean Paste near open areas or cutting torches, since a hazardous. Amiable gas can be generated.

Keep lid tightly closed when not in use.

Keep out of reach of children.

Can be used on vertical and overhead surfaces.

Storage :-

S-Weld Clean has a recommended shelf life, in good storage conditions, of Eighteen (18) months.

Store indoors away from direct heat or sunlight.

store upright in a cool dry area .

11.SPILLAGE/ACCIDENTAL RELEASE

Spillage :-

For very small leaks wash away with large quantities of water. For other leaks collect liquid either by pumping into an Emergency tank or by absorption in dry sand.

Personal Precautions :-

Wear gas mask with chlorine filter type B (grey) & dust filter P2, Rubber gloves, Face shield goggles, and rubber boot with acid resistant Cloth.

Environmental Precautions :-

Where a spillage or contaminated washing causes contamination of water courses, drains or vegetation, inform relevant authorities.

12. WASTE DISPOSAL

Waste Disposal :-

Neutralize with lime and landfill in accordance with Local Regulations.



13. ENVIRONMENTAL INFORMATION

Environmental Fate

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

Persistence &

Degradation :- The substance is soluble in water.

14. REGULATORY INFORMATION

Risk Phrases :-

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.

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

Safety Phrases :-

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 S-1 Weld Clean Paste 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 S1 - 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.

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15. TRANSPORT INFORMATION

UN No. & Symbols	:- 2922 Class 8
Packing Group	:- I
Hazard Class	:- 8
ADR / RID Item	:- Class 8
ADR/RID Class	:- Low Hazard

16. OTHER INFORMATION

Disclaimer :-

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

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