



Nonfood Compounds
Program Listed P1
150170

TIG Brush®

Ensitech Fluid Application Note 90 TB-90 Marking Fluid for Stainless Steel

PURPOSE

Being able to label (mark) stainless steel work items with a permanent logo or lettering has long been a desire for stainless steel fabricators. The technology of the TIG Brush with this unique new fluid TB-90, now delivers on this.

BACKGROUND

TB-90 was developed by Ensitech to work with the TIG Brush and the custom made *stencils Ensitech provides to produce a dark crisp edged mark on all grades of stainless steel within 10 seconds.

*The heat resistant stencil required can be provided by your Ensitech representative.

CHEMISTRY

PERFORMANCE TB-90 Marking Fluid for Stainless Steel is a water-based formulation that has a concentrated level of marking actives and surface wetters. All ingredients are environmentally responsible and produce a non-dangerous easy to work with product.

SAFETY All Ensitech products are developed to maximise worker safety. TB-90 is non-hazardous and requires minimal personal protective equipment (PPE). Ensitech Material Safety Data Sheets (MSDS) are created by the most reputable chemical safety organisation in Australia and should be consulted and well understood before using any Ensitech chemical.

ENVIRONMENT All ingredients are environmentally safe with either no environmental impact or biodegradable. The breakdown products also have no detrimental impact on the terrestrial or aquatic environments.



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APPLICATION

Please consult the MSDS before use and wear PPE as directed.

After cleaning the surface of the stainless steel work with the TIG Brush, rinse the cleaned surface with water.

- Attach the earth clamp to your work piece (stainless steel to be etched)
- Set the TIG Brush to the "Restore/Polishing Mode".
- Attach the marking head adaptor to the carbon marking head.
- Screw the marking head adaptor into the wand handle.
- Apply 50mm of the heatproof felt with the hard side facing to the marking head using the rubber o'ring supplied.
- Dip the electrode with the felt in to the TB-90 Stainless Steel Marking Fluid ensuring that the felt is fully wet.
- Place the stencil on to the stainless to be marked, securing it to the stainless with masking tape, ensuring a tight flat application.
- Place the TIG Brush marking head attached on to the stencil, using slight pressure work the marking head over the yellow area (printable section) of the stencil in a slow smooth motion.
- Remove the stencil and wipe the away the excess residue with a clean, damp microfiber cloth.
- Finish off with Ensitech TB-50 Finishing Fluid.
- Clean the stencil with soapy water and rinse thoroughly with water.
- Lay flat to dry and store flat until next use.

DISPOSAL

TB-90 can be disposed to your council provided wastewater system via your sewer system without harm to the system or environment with water dilution. Significant amounts of TB-90 will need to be neutralised before disposal to sewer. Please consult with your Ensitech representative.

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