



TIG Brush TB-95

Stainless Steel Engraving Fluid

PRODUCT OVERVIEW

Add a finishing touch to your Stainless Steel products with an engraved company logo to showcase your craftsmanship and stand out in the market. Engraving company logos or details directly into the stainless steel surface is the perfect way to personalize your products and build company awareness.

TB-95 Engraving fluid is specially formulated to produce a noticeable and crisp engraving in the surface of Stainless Steel, when used with the TIG Brush. The Branding Kit comes with everything you need to get started, including branding head, adapter wand and spares. Customized long-life stencils can be readily ordered.

Use TB-95 to produce a sharp engraved effect for your logos, icons, security identification numbers and more. You will find that electrochemical engraving Stainless Steel provides a long-term result, even after continuous cleaning and harsh scrubbing.

TB-95 is a water-based, non-flammable fluid, minimising the risk to the worker's health and environment. TB-95 is also NSF certified and conforms to the requirements of the NSF Non-Food Compounds Registration Programme. The NSF mark is your assurance that Ensitech fluids have been tested and certified by one of the most respected independent certification organizations in existence today. See <https://www.nsf.org> for more information.

SAFETY AND STORAGE

TB-95 quickly producing an engraved effect on a wide range of stainless steel surfaces. There are no hazardous solvents or heavy metals and is classified as a non-dangerous good. As TB-95 is an acidic fluid, it is recommended to use appropriate PPE while using any chemicals.

- This Fluid Application Guide should be read in conjunction with the Safety Data Sheet (SDS) and well understood before using any Ensitech chemical.
- Store in a cool dry area, out of direct sunlight and out of reach of children.
- Stored correctly and un-opened, TB-95 provides a shelf life of up to 12 months from the date of manufacture.
- TB-95 is classified as a Non-Dangerous Goods which has no restrictions as such.

CALIFORNIA PROPOSITION 65 WARNING

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

ENVIRONMENT

TB-95 is a water-based stainless steel engraving fluid that is acidic and should be neutralized before disposal. TB-95 is not classified as an Environmental Hazard.

STANDARD OPERATION PROCEDURE - S.O.P

The operator should read and understand the TB-95 Safety Data Sheet (SDS) before proceeding.

1. To engrave the stainless steel surface, attach the branding head to the adaptor and attach it to the Handle Cable or PROPEL Torch (depending on the adaptor).
2. Secure a 50mm length of heatproof felt to the branding head using the rubber O-ring.
3. Set the TIG Brush to 'ENGRAVE/POLISH' mode and 'PROPEL - WIDE' power settings.
4. Secure the branding stencil to the clean stainless steel workpiece using water-proof tape, ensuring a tight, flat application.
5. Dip the branding head into the fluid, ensuring the felt is completely wet.
6. Using consistent light pressure, rub the branding head over the yellow area of the stencil slowly, making sure you extend just past the edge of the image. Continue for approximately 20-30 seconds. Allow extra time for larger stencils or if you require a deeper engraved effect. Make sure to rub across the artwork area of the stencil evenly to produce a consistent engraved result, otherwise, the engraving may be uneven.
7. Remove the stencil and wash the printed area with clean water. Finish off with TB-50 finishing fluid after rinsing for a bright, fingerprint-resistant finish.

Important: Replace the felt after each use as the engraved metal is contained by the felt. Re-using the felt will result in damaging and shortening the life of the stencil.

Care: Rinse the stencil after use with clean, warm water and gently rub the yellow area to make sure there are no residual fluid, dust or metal filings. Lay flat to dry naturally and store it between two clean paper sheets.

DISPOSAL

Important: Refer to SDS for full disposal details and dispose of in accordance with relevant local legislation.

Do not mix TB-95 in sinks or drains with bleach, drain cleaner or other chemicals.

For small quantities that have been neutralized, dilute with clean water to municipal drains at a ratio of 10:1 water to chemical to prevent any pooling in S-bends or sumps which could react with other chemicals that may be present in these systems.