

Why Choose Ensitech Fluids?

- Purity & Performance:** Ensitech has invested heavily in market-leading research and development to create a complete, premium range of fluids. Ensitech fluids contain only analytical grade chemicals, the highest graded products in terms of purity and lack of contaminants.
- Low Toxicity:** Inferior grade chemicals used by many competitor brands are either imports or material derived from fertilizer plants. Neither of these materials produce the high purity product achieved in our formulas. Genuine Ensitech fluids offer fabricators high-performance, low-toxicity cleaning solutions with an easy water-based clean-up to protect both the operator and environment.
- NSF Certified:** All Ensitech fluids are NSF certified and conform to the requirements of the NSF Non-Food Compounds Registration Program. The NSF mark is your assurance that Ensitech fluids have been tested and certified by the most respected independent certification organization.

If you place a high priority on cleaning quality, speed, passivation and safety, use your **TIG Brush with genuine Ensitech fluids**. By following the recommended procedures of **Ensitech's Surface Finishing System®** you can be confident of superior results.

1. PRE-WELD CLEANING

Removal of contaminants prior to welding is a sensible strategy to ensure firstly that the best weld quality is obtained and then a quick and effective clean and passivation is achieved with the TIG Brush weld cleaning process.

TB-01 Pre-Weld Cleaning Fluid for Stainless Steel

TB-01 | PRE-WELD CLEANING FLUID Developed to remove residues such as light oils and greases on stainless steel surfaces. If contaminants are not removed, they can be included in the weld, leading to unsightly and difficult to remove inclusions in the weld. Using TB-01 to remove these contaminants will ensure a cleaner weld and provide more efficient post weld cleaning and passivation.



2. WELD CLEANING - CHOOSING THE APPROPRIATE FLUID

With a choice of four innovative weld cleaning fluids from chemically stringent to high-powered, genuine TIG Brush stainless steel cleaning fluids simultaneously clean and passivate with proven results.

TB-21ND Weld Cleaning Fluid for Stainless Steel

TB-21ND | STANDARD DUTY WELD CLEANING FLUID A standard duty, high performance fluid, which cleans, polishes and passivates stainless steel without the corrosive classification given to TB-25. Its Non-Dangerous rating makes it easier to handle and more economical on freight costs. For best results, neutralise with TB-42 after cleaning.



TB-25 Weld Cleaning Fluid for Stainless Steel

TB-25 | HEAVY DUTY WELD CLEANING FLUID This high-powered premium stainless steel weld cleaning fluid is renowned in the industry as the strongest and fastest weld cleaning and passivating fluid. With the highest quality components at high concentrations, TB-25 gives the user unequalled performance in cleaning, polishing and passivating on the harshest stainless steel welds. For best results, neutralise with TB-42 after cleaning.

** TB-25 is classified as a Dangerous Good (DG) and therefore a DG freight surcharge applies.*



TB-30ND Weld Cleaning Fluid for Stainless Steel

TB-30ND | BIODEGRADABLE WELD CLEANING FLUID A biodegradable stainless steel weld cleaning fluid developed for use in facilities where corrosive chemicals are not permitted. Environmentally friendly, it cleans as effectively as TB-25, but does not polish. For best results, neutralise with TB-41 after cleaning.



TB-31ND Weld Cleaning Fluid for Stainless Steel

TB-31ND | pH NEUTRAL WELD CLEANING FLUID When you have a need for added safety, this custom designed and patented fluid is pH neutral, fast-acting and needs no separate neutralisation process. It cleans and passivates without polishing, leaves no white frosting and does not alter high-polish stainless. It is especially suited to the needs of sensitive environments such as food and beverage, pharmaceutical and petrochemical industries. Environmentally safe TB-31ND allows maximum safety in use, handling, storage and transport.



3. NEUTRALISING THE SURFACE

Before using any of the TIG Brush neutralising fluids, rinse off the weld cleaning fluid thoroughly with clean water. Then apply the appropriate neutralising fluid to remove any of the residual acidity. If your work has a tendency to form a white "frosting" on the metal surface, the TIG Brush neutralising products reduce this. As the white frosting can occur after many days, it is important to use your neutralising fluid as soon as possible after washing your work piece down with water.

TB-42 Neutralising Fluid for TB-21 & TB-25

TB-42 | NEUTRALISING FLUID FOR TB-21ND AND TB-25

TB-42's formulation includes improved wetting agents for better coverage and faster action to neutralise the effects of TB-21 and TB-25 residues, and improved solubility for easier removal with the final water rinse. TB-42 neutralising fluid is an important preventative step in the complete removal of any acidic chemicals on the work surface.



TB-41 Neutralising Fluid for TB-30ND

TB-41 | NEUTRALISING FLUID FOR TB-30ND

TB-41 contains unique components that remove the complex chemistry of TB-30ND. TB-41 is an important preventative step in the complete removal of any acidic chemicals on the work surface. It's formulation includes fast acting, effective components that neutralise any residual acidic components of TB-30ND within seconds.



4. FINISHING THE SURFACE

Application of a finishing fluid will increase surface reflectability and prevent your perfect finished surfaces from marking through handling.

TB-50 Finishing Fluid for Stainless Steel

TB-50 | FINISHING FLUID

Cleans, brightens but also resists handling marks by leaving a molecular level layer on the surface of the stainless steel. Wipe or spray the cooled finished surface with TB-50, rinse down with water then buff with a microfiber cloth to achieve a brilliant shine and fingerprint resistance.



5. BRANDING THE SURFACE

Be proud of your work. Ensitech's printing and engraving fluids can be used to permanently print or engrave stainless steel with branding, part numbers, barcodes etc. Ask for details of our Branding Kits and custom made printing/engraving stencils.

TB-90 Printing Fluid for Stainless Steel

TB-90 | PRINTING FLUID FOR STAINLESS STEEL

Used with your TIG Brush, TIG Brush Branding accessories and custom made stencils, TB-90 creates permanent sharp and dark lettering, logos, or any other design on your stainless steel. The process is user friendly, safe and fast with outstanding results within seconds.



TB-95 Engraving Fluid for Stainless Steel

TB-95 | ENGRAVING FLUID FOR STAINLESS STEEL

Used with your TIG Brush, TIG Brush Branding accessories and custom made stencils, TB-95 creates a sharp, clear engraving for lettering, logos, or any other design on your stainless steel. The process is unequalled in speed, ease and permanency in adding an engraving to stainless steel.



6. SAMPLE PACKS



Sample fluid packs **available on request.**