



TIG Brush TB-42

Neutralizing Fluid For TB-25/TB-21



PRODUCT OVERVIEW

TB-42 pH neutralizing fluid is designed to balance the pH level of any acidic chemicals left on the surface after cleaning with either TB-25 or TB-21.

Neutralizing is an important step in the electrolytic weld cleaning process. TB-42 provides a fast-acting and effective way to neutralize any residual acidic components left on the surface from the cleaning process, within seconds. Importantly, it prevents white frosting or crystals from appearing on the Stainless Steel surface over time.

The water used in rinsing the weld cleaning solution, can quickly become acidic as well, and re-contaminate the metal surface. The most effective and quickest way to remove any acidic cleaning fluid, is to neutralize the surface; this provides a pH neutral food-safe finish.

TB-42 pH neutralizing fluid is a non-dangerous, non-flammable and non-corrosive fluid formula specifically developed to minimize the risk to the operator's health and the surrounding environment. Its unique chemistry is a purpose made combination of proven alkaline neutralizing agents and latest technology in environmentally friendly surfactants.

TB-42 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

Ensitech products are developed to provide an enhanced level of user safety. TB-42 is highly effective and approved to use in conjunction with the TIG Brush cleaning process as instructed.

TB-42 is a fast and safe way to neutralize any acidic residue after cleaning. There are no hazardous solvents, heavy metals or harsh solvents and is therefore classified as a non-dangerous good. It is recommended to be used with appropriate PPE in the work and cleaning environment.

- 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 and dry area, out of direct sunlight and out of reach of children.
- Stored correctly and un-opened, TB-42 offers a shelf life of up to 2 years from the date of manufacture.
- TB-42 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-42 is a water-based pH neutralizing fluid, which ingredients are environmentally safe. TB-42 is also biodegradable and the breakdown products have no detrimental impact on the terrestrial or aquatic environments.

STANDARD OPERATION PROCEDURE - S.O.P

The operator should read and understand the TB-42 Safety Data Sheet (SDS) before proceeding.

TB-42 pH neutralizing fluid is to be used in conjunction with either TB-25 and TB-21 weld cleaning fluids.

1. Pour the required amount of TB-25 or TB-21 cleaning fluid into a suitable container and re-seal the bottle. (To avoid cross-contamination, do not pour any used fluid back into the bottle.)
2. Dip the cleaning brush into TB-25 or TB-21, saturating the whole brush.
3. Clean the weld/surface, as per the TIG Brush Instruction Manual. Do not allow the brush to dry out during the cleaning process.
4. Thoroughly rinse the cleaning fluid from the surface with clean water.
5. Apply TB-42 pH neutralizer using a spray bottle to the area and allow to sit for 5-10 seconds.
6. Re-rinse the area with clean water and dry with a clean microfiber cloth or compressed air. Allow to thoroughly dry before storing or wrapping.

Note: When using wet cloths to wash down, ensure acid re-contamination of the neutralized area does not occur. Use separate cloths for washing away both cleaning and neutralizer fluids and rinse the cloths in separate buckets, so as not to cross-contaminate.

Important: White frosting can appear on the surface if the above process is not followed. Ensure a thorough rinsing has been performed after both cleaning and neutralizing.

DISPOSAL

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

Do not mix TB-42 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.