

TIG Brush TB-30ND

Biodegradable Weld Cleaning Fluid



PRODUCT OVERVIEW

TB-30ND is a mild acidic biodegradable Stainless Steel weld cleaning fluid developed to be used in conjunction with the TIG Brush weld cleaning machine for cleaning and passivating Stainless Steel.

Classified as non-Dangerous for transportation, TB-30ND and can be used as an alternative to the heavy-duty weld cleaning fluid TB-25, when weld cleaning is required in environmentally sensitive areas. This is particularly the case with equipment intended for use with food and beverage, or in any location where corrosive cleaning chemicals are not permitted.

TB-30ND has been developed using analytic grade chemicals which contain the lowest concentration of impurities (such as heavy metals) when compared to commonly used industrial-grade alternatives. The TIG Brush activates TB-30ND to dissolve, dislodge and allow removal of contaminants on the weld. TB-30ND is a combination of citric and phosphoric acids with surfactants and sequestrants. This gives TB-30ND broad-spectrum efficacy on a wide range of contaminants on a weld surface.

TB-30ND 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.

Note: TB-30ND cannot be used for polishing (removal of metal). For polishing, use TB-25 or TB-21ND.

SAFETY AND STORAGE

TB-30ND is designed to be safe to the user and the environment. Despite being free from heavy metals and harsh solvents, and not classed as a Dangerous Good for transport, it should still be used in conjunction with the recommended PPE and in the manner specified in the TIG Brush Instruction Manual. TB-30ND is a mild acid and therefore, for an optimal finish, it must be neutralized with TB-41 neutralizer after use.

- 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, corrosive approved cabinet, and out of reach of children.
- Stored correctly and un-opened, TB-30ND offers a shelf life of up to 2 years.
- Minimize fluid contact and do not allow it to pool on concrete as this may cause spalling.
- TB-30ND is classified as a Non-Dangerous Goods and can be freighted as such.

ENVIRONMENT

TB30-ND is a water-based cleaning fluid, developed from natural ingredients, that are environmentally safe. It is biodegradable meaning it will naturally break down without detrimental effect on terrestrial or aquatic environments. TB-30ND does not contain any alkyl phenol ethoxylates or palm oil derivatives, thereby being rainforest responsible.

STANDARD OPERATION PROCEDURE - S.O.P

The operator should read and understand the TB-30ND Safety Data Sheet (SDS) before proceeding, and in general follow the steps below:

1. Pour the required amount of TB-30ND cleaning fluid into a suitable container and re-seal the bottle. (To avoid cross-contamination, do not pour any used TB-30ND back into the bottle.)
2. Dip the brush into TB-30ND, making sure to saturate the whole brush.
3. Clean the weld and/or surface as per the TIG Brush Instruction Manual. Do not allow the brush to dry out during the cleaning process, this will impact both the efficacy of the fluid and the life of your brush.
4. Thoroughly rinse the residual TB-30ND fluid from the cleaned weld and/or surface with clean water.
5. Apply TB-41 pH neutralizer fluid 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: Due to the biodegradable formula of TB-30ND, the fluid will thicken in the brush during use. If you experience a build-up of thickened fluid residue on your brush, rinse the brush in clean water throughout the cleaning process and restart the cleaning process from step 2.

DISPOSAL

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

Do not mix TB-30ND 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.

Note: If any fuming or vapours are generated from effluent vents or drains during disposal, stop chemical addition and continue to run the water until the fume or vapours dissipates completely.