

# TIG Brush TB-31ND

## pH Neutral Weld Cleaning Fluid



## PRODUCT OVERVIEW

TB-31ND is a pH neutral Stainless Steel weld cleaning fluid that provides outstanding passivation of Stainless Steel welds and surfaces. There is no need to neutralise the surface after cleaning is complete. TB-31ND is well suited to cleaning and passivating polished and highly reflective Stainless Steel surfaces, such as handrails and architectural structures.

TB-31ND's unique design provides a non-dangerous (non-flammable, non-corrosive) solution to weld cleaning that provides outstanding results for most applications, with enhanced safety for the operator and environment. Whilst TB-25 is the highest performance TIG Brush weld cleaning fluid, when there is a need for added safety or a simpler process, TB-31ND is ready to slot into your TIG Brush cleaning program.

The chemistry is a unique combination analytic grade chemicals which contain the lowest concentration of impurities (such as heavy metals) when compared to commonly used industrial-grade alternatives. These consist of non-dangerous active compounds, sequestering agents, and environmentally responsible surfactants (to enhance the contact of the fluid with the metal surface) in a water base. The cleaning compounds, activated by the temperature of the TIG Brush, work effectively on the iron oxides and other contaminants on the weld surface. The sequestrant mops up the iron as it's dislodged from the metal surface allowing the contamination to be easily rinsed away. The metal surface is cleaned and passivated to proven levels.

TB-31ND 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 organisations in existence today. See <https://www.nsf.org> for more information.

**Note:** TB-31ND cannot be used for polishing (removal of metal). For polishing, use TB-25 or TB-21ND.

## SAFETY AND STORAGE

TB-31ND was developed to provide an enhanced level of user safety, and is highly effective when used with TIG Brush machines as per the Instruction Manual.

TB-31ND is free from heavy metals, harsh solvents and is classified as a non-dangerous good. However, it should always be used with appropriate PPE and procedures in the work and cleaning environment.

- This Fluid Application sheet should be read in conjunction with the Safety Data Sheet (SDS) and well understood before using any Ensitech chemical.
- Store in a cool, dry, secure place, out of reach of children.
- Stored correctly and un-opened, TB-31ND offers a shelf life of up to 2 years.
- TB-31ND is classified as a Non-Dangerous Goods and can be freighted as such.

## ENVIRONMENT

TB31-ND is a water-based cleaning fluid, developed from unique pH natural ingredients, that are environmentally friendly. TB-31ND does not contain any alkyl phenol ethoxylate surfactants or any corrosives. No components are palm oil derivatives and are rainforest responsible.

## STANDARD OPERATION PROCEDURE - S.O.P

The operator should read and understand the TB-31ND Safety Data Sheet (SDS) before proceeding and generally follow the steps below:

1. Pour the required amount of TB-31ND cleaning fluid into a suitable container and re-seal the bottle.  
(To avoid cross-contamination, do not pour any used TB-31ND back into the bottle.)
2. Dip the cleaning brush or wand brush into the TB-31ND, 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 TB-31ND fluid from the surface with clean water and dry with a clean microfiber cloth or compressed air. Allow to thoroughly dry before storing or wrapping.

**Note:** If TB-31ND fluid is allowed to dry on the surface after cleaning, repeat steps 2-4 above to remove it. TB-31ND weld cleaning does not require a neutralising fluid and can be simply rinsed off.

## DISPOSAL

**Important:** Refer to SDS for full disposal details and dispose of in accordance with relevant local legislation. Do not mix TB-31ND in sinks or drains with bleach, drain cleaner or other chemicals.

For small quantities, 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 units or drains during disposal, stop chemical addition and continue to run the water until the fume or vapours dissipates completely.

TB-31-ND contains some phosphorus compounds. Whilst being non-toxic these are in some cases controlled by councils and water authorities, especially where effluent receiving waters are sensitive to algal growth (which can be promoted by phosphorus compounds).

