



TIG Brush TB-21ND

Multi-Purpose Weld Cleaning Fluid

PRODUCT OVERVIEW

TB-21ND is a non-dangerous good for transportation, and a milder variant of the premium weld cleaning fluid TB-25. For lighter heat tint TB-21ND provides cleaning and passivation results equivalent to TB-25 at a lower cost, and with reduced handling and freight restrictions. This makes TB-21ND the perfect alternative to TB-25 when freight or other safety issues preclude the use of TB-25.

To ensure operator safety, TB-21ND is formulated using analytical grade materials which minimize the dangerous heavy metal concentrations commonly found in industrial-grade chemicals. TB-21ND utilizes an acid coupled with a sequestrant and a surfactant to provide good-performance cleaning and passivation of both TIG and light MIG welds. TB-21 can also be used to polish welds and Stainless Steel surfaces. After weld cleaning, TB-42 Neutralizing fluid should be used as outlined in the SOP to remove any trace of residual acid.

To maximize safety, users should always follow the manufacturer's recommended procedure, and use PPE as recommended in the SDS. TB-21ND is 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

The TIG Brush when used with TB-21ND will provide fabricators a safe, efficient and highly effective weld cleaning and passivation solution.

Despite being free from heavy metals and harsh solvents, due to its chemical composition, it is still classified as corrosive (UN1805). TB-21ND should always be used in conjunction with the recommended PPE and in the manner specified in the TIG Brush Instruction Manual.

- This Fluid Application sheet should be read in conjunction with the corresponding Safety Data Sheet (SDS) and be well understood before using.
- Store in a cool, dry, corrosive approved cabinet, and out of reach of children.
- Stored correctly and un-opened, TB-21ND has 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-21ND has been designed to be freighted as a Non-Dangerous good in most regions.

ENVIRONMENT

TB-21ND is a premium water-based cleaning fluid. All ingredients are eco-friendly and biodegradable. The breakdown of this solution has no detrimental impact on terrestrial or aquatic environments. TB-21ND does not contain any alkyl phenol ethoxylates or palm oil derivatives and is rainforest responsible.

STANDARD OPERATION PROCEDURE - S.O.P

The operator should read and understand the TB-21ND Safety Data Sheet (SDS) before proceeding, and follow the steps below:

1. Pour the required amount of TB-21ND cleaning fluid into a suitable container and re-seal the bottle. (To avoid cross-contamination, do not pour any used TB-21ND back into the bottle.)
2. Dip the cleaning brush into the TB-21ND, saturating the whole brush.
3. Clean the weld or metal surface, as per the TIG Brush Instruction Manual. Do not allow the brush to dry out during the cleaning process as it will become too hot.
4. Thoroughly rinse the TB-21ND 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 the surface to thoroughly dry before storing or wrapping.

Note: If TB-21ND fluid is allowed to dry on the surface after cleaning, repeat steps 2-6 above to remove it.

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-21ND 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.