



Nonfood Compounds  
Program Listed P1  
151122

# TIG Brush™

## “NEW RELEASE” Ensitech Fluid Application Note 42 TB-42 Neutralizing Fluid

for use with TB-21ND & TB-25 weld cleaning fluids

Newly released TB-42 uses a modified formulation of TB-40 that includes improved wetting agents for better coverage, faster action to neutralize the effects of TB-21 and 25 residues, and improved solubility for easier removal with the final water rinse.

### PURPOSE

After cleaning with TB-21ND or TB-25, some applications require a complete removal of any acidic chemicals on the work surface. TB-42 contains a range of fast acting, effective components that neutralize any residual acidic components within seconds.

### BACKGROUND

Ensitech chemists developed TB-42 as an improvement on the popular TB-40, which has been used for many years successfully by TIG Brush owners. TB-42 has enhancements in water rinse ability and speed of activity, and provides an improvement in the final finish. TB-42 contains all the excellent features of TB-40 such as being specifically designed for neutralization of TB-21ND and TB-25 without the development of any toxic or corrosive products and its safety to workers. TB-42 is also easily rinsed with water leaving the surface clean and bright.

### CHEMISTRY

**PERFORMANCE:** TB-42 Neutralizing Fluid is a non-dangerous (non-flammable, non-corrosive) formulation. The chemistry is a purpose made combination of proven alkaline neutralizing agents and latest technology in environmentally friendly surfactants.

**SAFETY:** All Ensitech products are developed to maximise worker safety. TB-42 uses the powerful yet safe approach of latest technology surfactants rather than traditional phenol ethoxylates that impact on worker safety. Ensitech Safety Data Sheets (SDS) are created by the most reputable chemical safety organisation in Australia and should be consulted and well understood before using any Ensitech chemical.



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**ENVIRONMENT:** All ingredients are environmentally safe with either no environmental impact or biodegradable and the breakdown products also have no detrimental impact on the terrestrial or aquatic environments. TB-42 does not contain any alkyl phenol ethoxylates. As with all Ensitech fluids, all components of TB-42 are free from palm oil derivatives thereby is rainforest responsible.

### APPLICATION

Please consult the SDS before use and wear PPE as directed.

After cleaning the surface with the TIG Brush, wash the cleaned surface with water.

Do NOT spray the hot surface immediately after cleaning with the TB-21ND/TB-25 cleaning fluids.

- It is a good idea to wash the work with water between each chemical application. Washing away any excess cleaning fluid also cools the surface before neutralizing.
- A water rinse will allow a more economical use of TB-42.
- A water rinse will also stop the TB-42 from evaporating from the surface, which could result in white marking.
- Ensitech recommends the use of water and a wipe with a clean cloth between chemicals for small jobs, or water rinsing for larger jobs.

After washing with water, TB-42 can be sprayed on with a spray bottle if desired, or wiped on with a clean cloth dipped *only* in TB-42.

TB-42 will work within seconds so after its application, a water rinse is recommended to remove all neutralized chemicals and excess TB-42.

Please note: If washing down with wet cloths, ensure acid re-contamination of the neutralized area **does not** occur by using a separate clean cloth for washing away the TB-21ND/TB-25 and a separate clean cloth for washing away the TB-42. Rinse the cloths in separate buckets, or preferably in a clean supply of water, in order to prevent the TB-42 washing cloth from mixing with any part of the TB-21ND/TB-25 operation.

### DISPOSAL

TB-42 can be disposed to your council provided wastewater system via your sewer system without harm to the system or environment. TB-42 does not contain any components that would be a detriment. It is advised that water is used to wash the chemicals down the drains to prevent any pooling in s-bends or sumps which could react with other chemicals disposed of in these systems.

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