



Nonfood Compounds
Program Listed A1
150057

TIG Brush®

Ensitech Fluid Application Note 31

TB-31ND Neutral Weld Cleaning Fluid for Stainless Steel

PURPOSE

TB-31ND is a pH neutral stainless steel weld cleaning product that makes handling, transport, storage and of course its use safer than ever before.

BACKGROUND

A custom designed chemical developed by the Ensitech chemists which shows outstanding cleaning efficacy and speed, as well as complete passivation when used with the TIG Brush. TB-31ND was designed with the TIG Brush to give you a system that provides outstanding results with enhanced safety for specific applications. Whilst you still have the option of the powerful TB-25 as your high performance TIG Brush weld cleaning fluid, when you have a need for added safety and ease of handling, TB-31ND is ready to slot into your TIG Brush cleaning program.

CHEMISTRY

PERFORMANCE TB-31ND Neutral Cleaning Fluid is a non-dangerous (non-flammable, non-corrosive) formulation. The chemistry is a unique combination 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 are activated by the temperature of the TIG Brush to 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.

SAFETY All Ensitech products are developed to maximise worker safety. TB-31ND is pH neutral offering no risk to users through skin contact and reduced risk via other areas of contact. Ensitech Material Safety Data Sheets (MSDS) are created by the most reputable chemical safety organisation in Australia and should be consulted and well understood before using any Ensitech chemical.

ENVIRONMENT All ingredients are environmentally safe. TB-31ND does not contain any alkyl phenol ethoxylate surfactants or any corrosives. All components are not palm oil derivatives thereby rainforest responsible.



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APPLICATION

Please consult MSDS before use and wear PPE as directed.

The fluid has been designed to work on all types of stainless steel welds. Dip the brush into the TB-31ND so the brush has a full load of fluid. Wipe off excess to prevent dripping. Clean the weld as per the instructions provided with the TIG Brush. Rinse the remaining fluid with clean water. There is no need to neutralise the surface or remaining fluid.

Wipe down the weld and metal surface with a clean dry microfiber cloth however, if you want surface brilliance and resistance to handling marks and other unsightly contaminations, finish your work with TB-50.

DISPOSAL

TB-31ND can be safely disposed of in small quantities (up to a litre) with water washing in your council provided wastewater system via your sewer system.

If you are required to dispose of more than 1 litre at a time, please consult with your Ensitech representative.

TB-31-ND contains some phosphorus compounds that whilst being non-toxic are in some cases controlled by councils where effluent receiving waters are sensitive to algal growth which are promoted by phosphorus compounds.

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