



Nonfood Compounds
Program Listed A3
150090

TIG Brush®

Ensitech Fluid Application Note 21 TB-21ND Weld Cleaning Fluid for Stainless Steel

PURPOSE

TB-21ND is the non-dangerous goods version of the premium cleaning fluid TB-25. For many applications, TB-21ND provides a cleaning and passivating result equal to TB-25 at a lower cost and with reduced handling and freight restrictions.

BACKGROUND

Ensitech chemists worked to produce a fluid that keeps most of the TB-25 performance without the corrosive classification given to TB-25. The components in TB-21ND are the same as TB-25 however having less acidity.

CHEMISTRY

PERFORMANCE TB-21ND contains proven acidic water based chemistry coupled with the unique sequestrant, surfactant package used by Ensitech as the base of their premium fluid range.

TB-21ND is currently successfully used for cleaning and passivating welds of a wide range of stainless steels including the 300 series and duplexes. As with all Ensitech chemicals, compatibility with the TIG Brush is assured.

SAFETY All Ensitech products are developed to maximise worker safety. TB-21ND is free of harsh solvents instead using water as the solvent and carrier of actives. All components in TB-21ND are highly effective whilst being safe for use with the TIG Brush as outlined in the TIG Brush instructions. Please consult the MSDS before use.

ENVIRONMENT All ingredients are environmentally safe with either no environmental impact, biodegradable and the breakdown products also have no detrimental impact on the terrestrial or aquatic environments. TB-21ND does not contain any alkyl phenol ethoxylates. All components are not palm oil derivatives thereby rainforest responsible. Dispose as instructed by your Ensitech representative to comply with local waste requirements.

APPLICATION

Please consult MSDS before use and wear PPE as directed.

Dip the brush into the TB-21ND saturating the brush followed by wiping any excess to avoid spills. Clean the weld as per the TIG Brush instructions. Once cleaned, rinse the metal surface with clean water. If neutralisation is required, spray the surface with TB-40 followed by a water rinse and dry off with a clean microfiber cloth.

If a brilliant shine is required, TB-50 Finishing Fluid can be wiped or sprayed onto the stainless steel surface. Rinse down with water. Buff to a brilliant shine with a dry microfiber cloth.



Ensitech Pty Ltd ABN 92 144 914 401
1/144 Old Bathurst Rd, Emu Plains NSW 2750 Australia
PO Box 179 Springwood NSW 2777 Australia
T +61 2 4735 7700 F +61 2 4735 7744
www.tigbrush.com





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DISPOSAL

DO NOT MIX THIS CHEMICAL IN SINKS OR DRAINS WITH BLEACH OR DRAIN CLEANER OR ANY OTHER ALKALINE CHEMICALS

Diluting the disposal will reduce the impact of the acidic components of TB-21ND on the effluent system.

For quantities of TB-21ND up to 5 litres, a dilution with potable (drinking) water to municipal drains at 10 parts water and 1 part chemical is appropriate. For quantities over 5 litres, contact your Ensitech representative for advice.

INSTRUCTION FOR DISPOSAL TO DRAIN FOR VOLUMES UP TO 5 LITRES.

1. Run water in drain for 1 minute at least to flush pipes and fittings of contaminants.
2. With water running, add the chemical into the water stream at a rate of 1 part chemical to 10 parts water.
3. Run water for 1 minute after the last addition of chemical.

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