



Nonfood Compounds  
Program Listed P1  
150174

# TB-41 NEUTRALISING FLUID

FOR TB-30ND  
STAINLESS STEEL CLEANER

# TIG Brush®

by  ensitech®

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

**Product name** TB-41 NEUTRALISING FLUID FOR TB-30ND STAINLESS STEEL CLEANER (AU)  
**Synonym(s)** NEUTRALISING FLUID FOR TB-30ND STAINLESS STEEL CLEANER

#### 1.2 Uses and uses advised against

**Use(s)** NEUTRALISER  
NEUTRALISER FOR WELD CLEANING SOLUTIONS FOR STAINLESS STEEL TB-30ND

#### 1.3 Details of the supplier of the product

**Supplier name** ENSITECH PTY LTD (AU)  
**Address** 1/144 Old Bathurst Rd, EMU PLAINS, NSW, 2750, AUSTRALIA  
**Telephone** +61 2 4735 7700  
**Fax** +61 2 4735 7744  
**Website** [www.tigbrush.com](http://www.tigbrush.com)

#### 1.4 Emergency telephone number(s)

**Emergency** +1 352-323-3500

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS

**GHS classification(s)** Serious Eye Damage / Eye Irritation: Category 2A  
Skin Corrosion/Irritation: Category 2

#### 2.2 Label elements

**Signal word** WARNING

**Pictogram(s)**



#### Hazard statement(s)

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

#### Prevention statement(s)

P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Response statement(s)

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 Specific treatment is advised - see first aid instructions.  
P332 + P337 + P313 If skin or eye irritation occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before re-use.

#### Storage statement(s)

None allocated.

**Disposal statement(s)**

None allocated.

**2.3 Other hazards**

No information provided.

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**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

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**3.1 Substances / Mixtures**

| Ingredient                | CAS Number | EC Number | Content   |
|---------------------------|------------|-----------|-----------|
| TRIETHANOLAMINE           | 102-71-6   | 203-049-8 | 1 to 2%   |
| SODIUM HYDROXIDE          | 1310-73-2  | 215-185-5 | <0.5%     |
| WATER                     | 7732-18-5  | 231-791-2 | 65 to 70% |
| ALKALINE SALT(S)          | -          | -         | 5 to 10%  |
| PROPRIETARY INGREDIENT(S) | -          | -         | 10%       |
| ANIONIC SURFACTANT(S)     | -          | -         | 1 to 2%   |
| NONIONIC SURFACTANT(S)    | -          | -         | <1%       |

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**4. FIRST AID MEASURES**

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**4.1 Description of first aid measures**

|                             |  |
|-----------------------------|--|
| <b>Eye</b>                  | If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.                 |
| <b>Inhalation</b>           | If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.  |
| <b>Skin</b>                 | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor. |
| <b>Ingestion</b>            | For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once).  |
| <b>First aid facilities</b> | Eye wash facilities and safety shower should be available.   |

**4.2 Most important symptoms and effects, both acute and delayed**

Acute: Irritation of eyes and skin. Delayed: No information available.

**4.3 Immediate medical attention and special treatment needed**

Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

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**5.1 Extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

**5.2 Special hazards arising from the substance or mixture**

Non flammable. May evolve toxic gases (carbon/ nitrogen oxides, ammonia, hydrocarbons) when heated to decomposition.

**5.3 Advice for firefighters**

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

**5.4 Hazchem code**

None allocated.

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**6. ACCIDENTAL RELEASE MEASURES**

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**6.1 Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

**6.2 Environmental precautions**

Prevent product from entering drains and waterways.

**6.3 Methods of cleaning up**

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

**6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

**7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate ventilation systems.

**7.3 Specific end use(s)**

No information provided.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control parameters**

**Exposure standards**

| Ingredient                         | Reference | TWA |                   | STEL |                   |
|------------------------------------|-----------|-----|-------------------|------|-------------------|
|                                    |           | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Sodium hydroxide (peak limitation) | SWA (AUS) | --  | 2 (Peak)          | --   | --                |
| Triethanolamine                    | SWA (AUS) | --  | 5                 | --   | --                |

**Biological limits**

No biological limit values have been entered for this product.

**8.2 Exposure controls**

**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

**PPE**

- Eye / Face** Wear splash-proof goggles.
- Hands** Wear PVC or rubber gloves.
- Body** When using large quantities or where heavy contamination is likely, wear coveralls.
- Respiratory** Where an inhalation risk exists, wear a Type A (Organic vapour) respirator.



**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

|                      |                    |
|----------------------|--------------------|
| <b>Appearance</b>    | YELLOW LIQUID      |
| <b>Odour</b>         | SLIGHT LEMON ODOUR |
| <b>Flammability</b>  | NON FLAMMABLE      |
| <b>Flash point</b>   | NOT RELEVANT       |
| <b>Boiling point</b> | > 100°C            |
| <b>Melting point</b> | < 0°C              |

**9.1 Information on basic physical and chemical properties**

|                           |                   |
|---------------------------|-------------------|
| Evaporation rate          | AS FOR WATER      |
| pH                        | 10 to 12          |
| Vapour density            | NOT AVAILABLE     |
| Specific gravity          | 1 (Approximately) |
| Solubility (water)        | SOLUBLE           |
| Vapour pressure           | 18 mm Hg @ 20°C   |
| Upper explosion limit     | NOT RELEVANT      |
| Lower explosion limit     | NOT RELEVANT      |
| Partition coefficient     | NOT AVAILABLE     |
| Autoignition temperature  | NOT AVAILABLE     |
| Decomposition temperature | NOT AVAILABLE     |
| Viscosity                 | NOT AVAILABLE     |
| Explosive properties      | NOT AVAILABLE     |
| Oxidising properties      | NOT AVAILABLE     |
| Odour threshold           | NOT AVAILABLE     |

**9.2 Other information**

|             |                |
|-------------|----------------|
| % Volatiles | > 60 % (Water) |
|-------------|----------------|

**10. STABILITY AND REACTIVITY**

**10.1 Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

**10.2 Chemical stability**

Stable under recommended conditions of storage.

**10.3 Possibility of hazardous reactions**

Polymerization is not expected to occur.

**10.4 Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources.

**10.5 Incompatible materials**

Incompatible with oxidising agents (e.g. hypochlorites) and acids (e.g. nitric acid).

**10.6 Hazardous decomposition products**

May evolve toxic gases (carbon/ nitrogen oxides, ammonia, hydrocarbons) when heated to decomposition.

**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity**

**Information available for the product:**

This product is expected to be of low toxicity. Based on available data, the classification criteria are not met.

**Information available for the ingredient(s):**

| Ingredient      | Oral Toxicity (LD50) | Dermal Toxicity (LD50) | Inhalation Toxicity (LC50) |
|-----------------|----------------------|------------------------|----------------------------|
| TRIETHANOLAMINE | 2200 mg/kg (rabbit)  | > 20 mL/kg (rabbit)    | --                         |

**Skin**

This product has the potential to cause irritation due to its alkaline nature. Contact may result in irritation, redness, pain, rash and dermatitis.

**Eye**

This product has the potential to cause irritation due to its alkaline nature. Contact may result in irritation, lacrimation, pain and redness.

**Sensitization**

Triethanolamine has the potential to cause allergic effects. However, available data is not considered sufficient for classification as a skin or respiratory sensitiser.

**Mutagenicity**

Insufficient data available to classify as a mutagen.

**Carcinogenicity**

Insufficient data available to classify as a carcinogen.

**Reproductive**

Insufficient data available to classify as a reproductive toxin.

**STOT – single exposure**

Not classified as causing organ damage from single exposure. However, over exposure may result in irritation of the nose and throat, with coughing.

**STOT – repeated**

Not classified as causing organ damage from repeated exposure. Adverse effects are generally associated

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**exposure** with single exposure.  
**Aspiration** Not an aspiration hazard.

**12. ECOLOGICAL INFORMATION****12.1 Toxicity**

This product is not expected to be hazardous to the environment.

**12.2 Persistence and degradability**

Expected to be biodegradable.

**12.3 Bioaccumulative potential**

Not expected to bioaccumulate.

**12.4 Mobility in soil**

The product is water soluble and may spread in water systems.

**12.5 Other adverse effects**

No information provided.

**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

**Waste disposal** For small amounts, flush to sewer with excess water or absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For large quantities, contact the manufacturer/supplier for additional information.

**Legislation** Dispose of in accordance with relevant local legislation.

**14. TRANSPORT INFORMATION**

**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

|                                    | <b>LAND TRANSPORT<br/>(ADG)</b> | <b>SEA TRANSPORT<br/>(IMDG / IMO)</b> | <b>AIR TRANSPORT<br/>(IATA / ICAO)</b> |
|------------------------------------|---------------------------------|---------------------------------------|--|
| <b>14.1 UN Number</b>              | None Allocated                  | None Allocated                        | None Allocated                         |
| <b>14.2 Proper Shipping Name</b>   | None Allocated                  | None Allocated                        | None Allocated                         |
| <b>14.3 Transport hazard class</b> | None Allocated                  | None Allocated                        | None Allocated                         |
| <b>14.4 Packing Group</b>          | None Allocated                  | None Allocated                        | None Allocated                         |

**14.5 Environmental hazards** No information provided

**14.6 Special precautions for user**

**Hazchem code** None Allocated

**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Poison schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classifications** Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

**Hazard codes** Xi Irritant

**Risk phrases** R36/38 Irritating to eyes and skin.

**Safety phrases** S24/25 Avoid contact with skin and eyes.

**Inventory listing(s)** **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**  
All components are listed on AICS, or are exempt.

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## 16. OTHER INFORMATION

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### Additional information

**RESPIRATORS:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**WORKPLACE CONTROLS AND PRACTICES:** Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

### Abbreviations

|                   |   |
|-------------------|---|
| ACGIH             | American Conference of Governmental Industrial Hygienists                                       |
| CAS #             | Chemical Abstract Service number - used to uniquely identify chemical compounds                 |
| CNS               | Central Nervous System  |
| EC No.            | EC No - European Community Number   |
| EMS               | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)                   |
| GHS               | Globally Harmonized System  |
| GTEPG             | Group Text Emergency Procedure Guide  |
| IARC              | International Agency for Research on Cancer   |
| LC50              | Lethal Concentration, 50% / Median Lethal Concentration   |
| LD50              | Lethal Dose, 50% / Median Lethal Dose   |
| mg/m <sup>3</sup> | Milligrams per Cubic Metre  |
| OEL               | Occupational Exposure Limit   |
| pH                | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm               | Parts Per Million   |
| STEL              | Short-Term Exposure Limit   |
| STOT-RE           | Specific target organ toxicity (repeated exposure)  |
| STOT-SE           | Specific target organ toxicity (single exposure)  |
| SUSMP             | Standard for the Uniform Scheduling of Medicines and Poisons                                    |
| SWA               | Safe Work Australia   |
| TLV               | Threshold Limit Value   |
| TWA               | Time Weighted Average   |

### Report status

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**PRODUCT NAME TB-41 NEUTRALISING FLUID FOR TB-30ND STAINLESS STEEL CLEANER (AU)**

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