1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>TB-30ND WELD CLEANING FLUID FOR STAINLESS STEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonym(s)</td>
<td>WELD CLEANING FLUID FOR STAINLESS STEEL</td>
</tr>
</tbody>
</table>

1.2 Uses and uses advised against

<table>
<thead>
<tr>
<th>Use(s)</th>
<th>TIG BRUSH WELD CLEANING SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses advised against</td>
<td>NONE KNOWN</td>
</tr>
</tbody>
</table>

1.3 Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Supplier name</th>
<th>ENSITECH INC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>1005 N. Commons Drive, Aurora, Illinois, 60504, USA</td>
</tr>
<tr>
<td>Telephone</td>
<td>1-202-251-0719</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:safety@ensitech.com.au">safety@ensitech.com.au</a></td>
</tr>
</tbody>
</table>

1.4 Emergency telephone number(s)

<table>
<thead>
<tr>
<th>Emergency</th>
<th>1-202-251-0719</th>
</tr>
</thead>
</table>

2. HAZARDS IDENTIFICATION

2.1 – CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

HAZARDOUS BY DEFINITION OF HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

Emergency Overview
Irritating to the eyes and skin. May be harmful if swallowed.

<table>
<thead>
<tr>
<th>HMIS Classification</th>
<th>NFPA Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protections</td>
<td>X</td>
</tr>
</tbody>
</table>

GHS CLASSIFICATION
SERIOUS EYE DAMAGE / EYE IRRITATION: CATEGORY 1

2.2 – LABEL ELEMENTS

SIGNAL WORD: Danger

HAZARD STATEMENTS
H318 Causes serious eye damage.

PREVENTION STATEMENTS
P103 Read label and safety data sheet before use.
P280 Wear protective gloves and eye/face protection.
Product name: TB-30ND WELD CLEANING FLUID FOR STAINLESS STEEL

RESPONSE STATEMENTS

P310 Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

No hazards resulting from the material as supplied.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Identification</th>
<th>Classification</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>CITRIC ACID</td>
<td>CAS: 77-92-9</td>
<td>EC: 201-069-1</td>
<td>10-30%</td>
</tr>
<tr>
<td>NON HAZARDOUS INGREDIENTS</td>
<td></td>
<td></td>
<td>Remainder</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye 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.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin 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.

Ingestion For advice, contact the Poison Control Centre at 1-800-222-1222 or a physician (at once). If swallowed, do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Acute: Irritating to the eyes and skin. Delayed: No information available.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve toxic gases if strongly heated.

5.3 Advice for firefighters

Treat as per requirements for Surrounding Fires: Evacuate area and contact emergency services. 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.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

If spilt (bulk), use personal protective equipment. CAUTION: Spill site may be slippery.

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. Clean spill site with water.

6.4 Reference to other sections
See Section 8.

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 oxidising agents, alkalis and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.

7.3 Specific end use(s)
None.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters
Exposure Standards
No exposure standard(s) allocated.

Biological Limits
No biological limit(s) allocated.

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

PPE
Eye / Face
Splash-proof goggles.

Hand
PVC or rubber gloves.

Body
When using large quantities or where heavy contamination is likely, wear coveralls.

Respiratory
None required with normal use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>CLEAR GREEN LIQUID</td>
</tr>
<tr>
<td>Odour</td>
<td>SWEET AND PLEASANT ODOUR</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>pH</td>
<td>1.6</td>
</tr>
<tr>
<td>Melting point</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Freezing point</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Flash point</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Flammability</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>
Product name  TB-30ND WELD CLEANING FLUID FOR STAINLESS STEEL

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower explosion limit</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Vapour density</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Relative density</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>SOLUBLE</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Viscosity</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

9.2 Other information
None

10. STABILITY AND REACTIVITY

10.1 Reactivity
No specific reactivity hazards.

10.2 Chemical stability
Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions
Polymerization will not occur.

10.4 Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials
Incompatible with oxidising agents (eg. hypochlorites) and alkalies (eg. sodium hydroxide).

10.6 Hazardous decomposition products
May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
No specific acute toxicity data exists for this product. However, the product is expected to be of low toxicity.
LD50 (Ingestion): > 5000 mg/kg (estimated)

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

Eye
This product has the potential to cause serious eye irritation due to its acidic nature. Contact may result in irritation, lacrimation, pain and redness. May result in burns with prolonged contact.

Sensitization
Available data is not considered sufficient for classification as a skin or respiratory sensitizer.

Mutagenicity
Insufficient data for classification as a mutagen.

Carcinogenicity
Insufficient data for classification as a carcinogen.

Reproductive
Insufficient data for classification as a reproductive toxin.

STOT – single exposure
No relevant or reliable studies were identified.

STOT – repeated exposure
No relevant or reliable studies were identified.

Aspiration
Not an aspiration hazard.
12. ECOLOGICAL INFORMATION

12.1 Toxicity
Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

12.2 Persistence and degradability
Expected to be biodegradable.

12.3 Bioaccumulative potential
Not expected to bioaccumulate.

12.4 Mobility in soil
No data available.

12.5 Other adverse effects
No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

<table>
<thead>
<tr>
<th>Waste disposal</th>
<th>LAND TRANSPORT (DOT)</th>
<th>SEA TRANSPORT (IMDG/IMO)</th>
<th>AIR TRANSPORT (IATA/ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>None Allocated</td>
<td>None Allocated</td>
<td>None Allocated</td>
</tr>
</tbody>
</table>

Legislation
Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT REGULATED FOR TRANSPORT PURPOSES

14.1 UN number
None Allocated

14.2 UN proper shipping name
None Allocated

14.3 Transport hazard classes
None Allocated

14.4 Packing group
None Allocated

14.5 Environmental hazards
None Allocated

14.6 Special precautions for user
None Allocated

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

US EPCRA and CAA Regulatory Information
The following components are subject to the Emergency Planning and Community Right-to-Know Act (EPCRA) and Section 112(r) of the Clean Air Act (CAA):

None of the components of this product are listed on the SARA/CERCLA/CASA lists.

Carcinogenicity
None of the components of this product are listed on the NTP/IARC/OSHA lists.

Inventory listing(s)
UNITED STATES: TSCA (US Toxic Substances Control Act)
All components are listed on the TSCA inventory, or are exempt.
16. OTHER INFORMATION

Abbrivations

- ACGIH American Conference of Governmental Industrial Hygienists
- CAA Clean Air Act
- CAS # Chemical Abstract Service number - used to uniquely identify chemical compounds
- CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
- CNS Central Nervous System
- EC No. EC No - European Community Number
- EPCRA Emergency Planning and Community Right-to-Know Act
- GHS Globally Harmonized System
- IARC International Agency for Research on Cancer
- LD50 Lethal Dose, 50% / Median Lethal Dose
- mg/m³ Milligrams per Cubic Metre
- NTP U.S. National Toxicology Program
- OSHA Occupational Safety and Health Administration
- PEL Permissible Exposure Limit
- pH relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
- ppm Parts Per Million
- RCRA Resource Conservation and Recovery Act
- REACH Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
- RQ Reportable Quantity measured in pounds (304, CERCLA)
- SARA Superfund Amendments and Reauthorization Act
- STOT-RE Specific target organ toxicity (repeated exposure)
- STOT-SE Specific target organ toxicity (single exposure)
- TLV Threshold Limit Value
- TQ Threshold Quantity measured in pounds (CAA)
- TQA Time Weighted Average or Occupational Exposure Limit
- TWA/OEL Time Weighted Average or Occupational Exposure Limit
- TPQ Threshold Planning Quantity measured in pounds (302)
- TQP - Threshold Planning Quantity measured in pounds (302)

^ - Reporting threshold has changed since November 1998.
+ - Member of PAC category.
# - Member of diisocyanate category.
X - Indicates that this is a second name for a chemical already included on this consolidated list. May also indicate that the same chemical with the same CAS number appears on another list with a different chemical name.
* - RCRA carbamate waste: statutory one-pound RQ applies until RQs are adjusted.
** - This chemical was identified from a Premanufacture Review Notice (PMN) submitted to EPA. The submitter has claimed certain information on the submission to be confidential, including specific chemical identity.
*** - Indicates that no RQ is assigned to this generic or broad class, although the class is a CERCLA hazardous substance. See 50 Federal Register 13456 (April 4, 1985). Values in Section 313 column represent Category Codes for reporting under Section 313.
+ - Although not listed by name and CAS number, this chemical is reportable under one or more of the EPCRA section 313 chemical categories.
- Indicates that this chemical is currently under an administrative stay of the EPCRA section 313 reporting requirements, therefore, no Toxics Release Inventory reports are required until the stay is removed.
! - Member of the dioxin and dioxin-like compounds category.

Report status

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

It is based on information concerning the product which has been provided to RMT by the manufacturer 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.

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.
<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>TB-30ND WELD CLEANING FLUID FOR STAINLESS STEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prepared by</strong></td>
<td>Risk Management Technologies</td>
</tr>
<tr>
<td></td>
<td>5 Ventnor Avenue, West Perth, Western Australia, 6005.</td>
</tr>
<tr>
<td></td>
<td>Phone: +61 8 9322 1711</td>
</tr>
<tr>
<td></td>
<td>Facsimile: +61 8 9322 1794</td>
</tr>
<tr>
<td></td>
<td>Email: <a href="mailto:info@rmt.com.au">info@rmt.com.au</a></td>
</tr>
<tr>
<td></td>
<td>Web: <a href="http://www.rmt.com.au">www.rmt.com.au</a></td>
</tr>
<tr>
<td><strong>Revision History</strong></td>
<td>Revision Number: v1.0</td>
</tr>
<tr>
<td></td>
<td>Description: Initial SDS Creation.</td>
</tr>
</tbody>
</table>

**SDS Date:** 6 December 2013

**End of Report**