

<b>Trend Routing Technology Inc.</b> <b>7351 West Friendly Avenue, Suite A, Greensboro NC 27410 USA</b> <b>Tel: 336 292 5051</b>	
<b>PAGE 1 of 9</b>	<b>MATERIAL SAFETY DATA SHEET</b>
<b>VERSION: 3.0</b>	<b>TOOL &amp; BIT CLEANER</b>
	<b>COPIED: NJM</b>
	<b>ISSUE DATE: APRIL 28th, 2010</b>

**OSHA “HAZARD COMMUNICATION” (29 CFR 1910.1200)**

**1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

Product name: Tool & Bit Cleaner.

Product ref: U\*CLEAN/500, U\*CLEAN/5GAL, U\*CLEAN/55GAL.

Application: Industrial cleaner.

Suppliers trade names: Tool & Bit Cleaner.

Synonyms: Mixture.

Suppliers name: Trend Routing Technology Inc  
7351 West Friendly Avenue, Suite A  
Greensboro NC 27410  
USA

Tel: (336)-292-5051  
Fax: (336)-292-5061

Email: lamuragliaj@trend-usa.com

In case of emergency  
please contact: Chemtel Inc: 1(800) 255 3924

Chemical formula: Proprietary.

Chemical family: Mixture.

Chemical name: Not applicable.

Product use: Industrial cleaner.

Section 1 notes: Not applicable.

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS No.	EINECS	Wt (%)	Vol (%)	SARA 313 Reportable
2-Butoxyethanol	111-76-2	203-905-0	<4%	<4%	Not applicable.

OSHA PEL-TWA: 50 ppm 242 mg/m<sup>3</sup>  
ACGIH TLV-TWA: 25 ppm 121 mg/m<sup>3</sup>.

Section 2 notes: Not applicable.

## 3. HAZARDS IDENTIFICATION

Emergency overview: Non-toxic.

Skin: Prolonged exposure may tend to irritate sensitive skin.

Eyes: Eye irritant.

Inhalation: May cause temporary shortness of breath.

Ingestion: May cause indigestion.

Acute health hazards: Not applicable.

Chronic health hazards: Not applicable.

Medical conditions generally aggravated by exposure: Sensitive skin

Carcinogenicity: OSHA: Not applicable.  
ACGIH: Not applicable.  
NTP: Not applicable.  
IARC: Not applicable.  
Other: Not applicable.

Section 3 notes: The ingredients of this product are not carcinogenic.

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## 4. FIRST-AID MEASURES

Skin contact: If irritated, withdraw from further contact. If irritation persists, get medical attention.

Eye contact: Flush with potable water for 15 minutes. If irritation persists, get medical attention.

Ingestion: Drink water. Do not induce vomiting. Get medical attention.

Inhalation: Remove to fresh air. If breathing is labored, get medical attention.

Notes to physicians or first aid providers: At 4% the Tool & Bit cleaner does not possess occupational health risk associated with undiluted 2-butoxyethanol. None of the ingredients of the Tool & Bit Cleaner are regulated under RCRA, CERCLA or CWA and none are regulated or listed as potential cancer agents by OSHA, NTP or IARC.

Section 4 notes: Not applicable.

## 5. FIRE-FIGHTING MEASURES

Flammable limits in air (% by volume)

Upper:	Not applicable.
Lower:	Not applicable.

Flash point: Not applicable.  
(Method used:) Not applicable.

Auto-ignition temperature: Not applicable.

NFPA hazard classification:

Health:	1
Flammability:	0
Reactivity:	0
Other:	Not applicable.

HMIS hazard classification: Health: 1

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Flammability: 0  
Physical hazard: 0  
Other: Not applicable.

Extinguishing media: This product does not burn.

Special fire fighting procedures: None.

Unusual fire and explosion hazards: None.

Hazardous decomposition products: None.

Section 5 notes: This product does not burn.

## 6. ACCIDENTAL RELEASE MEASURES

Accidental release measures: Small spills may be flushed to municipal sewage drain or approved waste water treatment facility.  
Larger spills should be absorbed, contained, and recycled.

Section 6 notes: This product can render flat surfaces extremely slippery. Be careful.

## 7. HANDLING AND STORAGE

Handling and storage: Store in leak proof containers in a cool place.

Other precautions: None.

Section 7 notes: Not applicable.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Not applicable.
Ventilation:	Not applicable.
Respiratory protection:	Not applicable.
Eye protection:	Optional but recommended.
Skin protection:	Optional but recommended.
Other protective clothing or equipment:	Optional.
Work hygienic practices:	Normal.
Exposure guidelines:	No special rules.
Section 8 notes:	Not applicable.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid foams easily.
Physical state:	Liquid.
Odour:	Slightly sweet smell.
pH as supplied: (Other):	9.2 Not applicable.
Boiling point:	219°F (104°C).
Melting point:	18°F (-8°C)
Freezing point:	18°F (-8°C).

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Vapor pressure: 17.5mmHg @ 68°F (20°C).

Vapor density (Air=1): 1.02 @ @ 68°F (20°C).

Specific gravity (H2O=1): 1.02 @ 68°F (20°C).

Evaporation rate:  
Basis (=1) Same as water.

Solubility in water: Soluble.

Percent solid by weight: 12%  
Percent volatile: by w/t by vol 96% @ 68°F (20°C).

Volatile organic compounds  
(VOC):  
With water: Lbs/gal varies.  
Without water: Lbs/gal < 4%.

Molecular weight: Mixture (same as water).

Viscosity: 1.04 cST @ 100°F (38°C)

Section 9 notes: Not applicable.

## 10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to avoid  
(stability): This product is stable.

Incompatibility  
(material to avoid): Over time, may tend to dull aluminium and magnesium.

Hazardous decomposition  
or by-products: None.

Hazardous polymerization: Not applicable.

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Conditions to avoid (polymerization): Not applicable.

Section 10 notes: Not applicable.

**11. TOXICOLOGICAL INFORMATION**

This product has been determined a mild eye irritant by Duke University Dept of Environmental Health.

Section 11 notes: Not applicable.

**12. ECOLOGICAL INFORMATION**

This product biodegrades 97% in 28 days.

Section 12 notes: Not applicable.

**13. DISPOSAL CONSIDERATIONS**

Product disposal method: Small spills may be flushed with water.

Packaging disposal: Dispose of in accordance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

RCRA hazard class: Not applicable.

Section 13 notes: No special considerations.

**14. TRANSPORT INFORMATION**

U.S. Department of Transportation

Proper shipping name: This product is not regulated.

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Hazard class:  
 ID number:  
 Packing group:  
 Label statement:

Water transportation

Proper shipping name: This product is not regulated.  
 Hazard class:  
 ID number:  
 Packing group:  
 Label statements:

Air transportation

Proper shipping name: This product is not regulated.  
 Hazard class:  
 ID number:  
 Packing group:  
 Label statements:

Other agencies: Not applicable.

Section 14 notes: Not applicable.

**15. REGULATORY INFORMATION**

U.S. Federal regulations: TSCA (Toxic Substance Control Act): Not applicable.  
 CERCLA (Comprehensive Response Compensation, and Liability Act): Not applicable.  
 SARA Title III (Superfund Amendments and Reauthorization Act): Not applicable.  
 311/312 hazard categories: Not applicable.  
 313 reportable ingredients: None reportable.

State regulations: Not applicable.

International regulations: Not applicable.



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## 16. OTHER INFORMATION

User notes: Sections revised: - 2.

Information sources: Supplier's own safety data sheet file no. CS13-01, issued April 27th 2010.

Revisions comments: Correction to EINECS number.

Trend MSDS ref: LEAF/HS/U\*CLEAN

Legal disclaimer: The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the stage of publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Trend Routing Technology Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.