

Trend Machinery & Cutting Tools Ltd. Odhams Trading Estate, St Albans Road, Watford, Hertfordshire WD24 7TR United Kingdom. Tel: 0044 (0) 1923 249911	
PAGE 1 of 9	MATERIAL SAFETY DATA SHEET
VERSION: 1.0	TOOL & BIT CLEANER
	COPIED: NJM
	ISSUE DATE: 28th APRIL 2010

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name: Tool & Bit Cleaner.

Product ref: CLEAN/500

Application: Industrial cleaner.

Suppliers trade names: Tool & Bit Cleaner.

Synonyms: Mixture.

Suppliers name: Trend Machinery & Cutting Tools Ltd
 Unit 6 Odhams Trading Estate
 St Albans Road
 Watford
 Hertfordshire
 United Kingdom

Tel: 0044 (0) 1923 249911
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Email: mcmillann@trendm.co.uk

Emergency telephone: Chem-Tel 001 813 248 0585

Chemical formula: Proprietary.

Chemical family: Mixture.

Chemical name: Not applicable.

Product use: Industrial cleaner.

Section 1 notes: Not applicable.

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2. 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 2 notes: The ingredients of this product are not carcinogenic.

3. 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/m³
ACGIH TLV-TWA: 25 ppm 121 mg/m³.

Section 3 notes: Not applicable.

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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: (Method used:)	Not applicable.	Not applicable.
Auto-ignition temperature:	Not applicable.	
NFPA hazard classification:	Health:	1
	Flammability:	0
	Reactivity:	0
	Other:	Not applicable.
HMIS hazard classification:	Health:	1
	Flammability:	0

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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:	104°C (219°F).
Melting point:	-8°C (18°F).
Freezing point:	-8°C (18°F).

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Vapour pressure:	17.5mmHg @ 20°C (68°F).
Vapour density (Air=1):	1.02 @ @ 20°C (68°F).
Specific gravity (H2O=1):	1.02 @ 20°C (68°F).
Evaporation rate: Basis (=1)	Same as water.
Solubility in water:	Soluble.
Percent solid by weight: Percent volatile:	12% by w/t by vol 96% @ 20°C (68°F).
Volatile organic compounds (VOC):	With water: Lbs/gal varies. Without water: Lbs/gal < 4%.
Molecular weight:	Mixture (same as water).
Viscosity:	1.04 cST @ 38°C (100°F)
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 (USA).

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

General: Not classified as hazardous for transport.

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Section 14 notes: This product is not regulated for U.S. Department of Transportation, Water transportation or Air transportation.

15. REGULATORY INFORMATION

Risk phrases: Not classified.

Safety phrases: Not classified.

UK regulatory references: Control of Substances Hazardous to Health Regulations. Chemicals (Hazard Information & Packaging for Supply) Regulations 2002 (CHIP3).

EU directives: Dangerous Preparations Directive 1999/45/EEC. System of specific information relating to Dangerous Preparations 2001/58/EEC. Registration, Evaluation, Authorisation and restriction of Chemicals (REACH) EC 1907/2006 Article 31 and Annex II.

Statutory instruments: Control of Substances Hazardous to Health Regulations. Chemicals (Hazard Information & Packaging for Supply) Regulations.

Approved code of practice: Compilation of Safety Data Sheets Safety Data Sheets (3rd Edition).

Guidance notes: Occupational Exposure Limits EH40.
CHIP for everyone HSG228.
Supplement 2003 Health and Safety at Work Act (As Amended) 1974.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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16. OTHER INFORMATION

User notes:	Sections revised: - 1, 16.
Information sources:	Supplier's own safety data sheet file no. CS13-01, issued 27 th April 2010.
Revisions comments:	Not applicable.
Trend MSDS ref:	LEAF/HS/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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.