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dated: 28/11/2013

Version:3.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : Tools & Bit Cleaner, Formula CS13  
Product code : CLEAN/500

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Industrial/Professional use spec : Multi-purpose surface cleaner, degreaser

**1.2.2. Uses advised against**

No additional information available.

**1.3. Details of the supplier of the safety data sheet**

Trend Machinery & Cutting Tools Ltd  
Unit 6 Odhams Trading Estate  
St. Albans Road  
Watford  
Herts  
United Kingdom  
T 0044 1923 249911  
F 0044 1923 236879  
enquiry@trendm.co.uk  
www.trend-uk.com

**1.4. Emergency telephone number**

Emergency number : 001 813 348 0585 (Chem-Tel))

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Eye Irrit. 2B H320 Causes eye irritation.

Full text of H-phrases: see section 16

**Classification according to Directive 67/548/EEC or 1999/45/EC**

Xi:R36/38, S24/25, S45

Full text of R-phrases: see section 16

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP] GHS**

The product is classified and labelled according to the Global Harmonized System (GHS)

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning!  
Hazardous ingredients : C12-15 Alcohols Ethoxylate  
Hazard statements (CLP) : H320 - Causes eye irritation.  
Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.  
: P102 - Keep out of reach of children.  
: P103 - Read label before use.  
: P264 - Wash hands, forearms and face thoroughly after handling.  
: P280 - Wear protective gloves, eye protection.  
: P351 + P353 + P338 - IF IN EYES. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
: P337 + P313 - If eye irritation persists: Get Medical advice/attention.  
: P405 - Store locked up.  
: P501 - Dispose of contents/container in a safe manner in accordance with local, regional, national and/or international regulation.

**Unknown acute toxicity**

: 0 percent of the mixture consists of ingredient(s) of unknown toxicity.

**2.3. Other hazards**

No additional information available





**SECTION 3: Composition/information on ingredients**
**3.1. Substances**

Not applicable

**3.2. Mixture**

Mixture of substances listed below with non-hazardous additions

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Water	(CAS No) 7732-18-5 (EC no) 231-791-2	85 - 97	Not classified
Alcohols, C12-15, ethoxylate	(CAS No) 68131-39-5 (EC no) 500-195-7	1 - 5	Not classified
Sodium carbonate	(CAS No) 497-19-8 (EC no) 207-838-8 (EC index no) 011-005-00-2	1 - 5	Xi:R36
2-Butoxyethanol	(CAS No) 111-76-2 (EC no) 203-905-0	1 - 5	Xn:R20/R21/R22 Xi:R36/38
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).			

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Water	(CAS No) 7732-18-5 (EC no) 231-791-2	85 - 97	Not classified
Alcohols, C12-15, ethoxylate	(CAS No) 68131-39-5  (EC no) 500-195-7	1 - 5	Eye Dam.1, H318  Aquatic Acute 1, H400  Skin Irrit.2, H315 
Sodium carbonate	(CAS No) 497-19-8 (EC no) 207-838-8 (EC index no) 011-005-00-2	1 - 5	Eye Irrit. 2, H319 
2-Butoxyethanol	(CAS No) 111-76-2 (EC no) 203-905-0	1 - 5	Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319, H227
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).			

Full text of R- and H-phrases: see section 16

**SECTION 4: First aid measures**
**4.1. Description of first aid measures**

First-aid measures general	: Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take a copy of label and SDS to health professional with contaminated individual.
First-aid measures after inhalation	: Supply fresh air; consult doctor in case of complaints.
First-aid measures after skin contact	: Generally the product does not irritate the skin.
First-aid measures after eye contact	: Rinse opened eye for at least 15 minutes under running water. If symptoms persist consult a doctor.
First-aid measures after ingestion	: Rinse out mouth and then drink plenty of water. Call a doctor if irritation or

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

No additional information available

**4.3. Indication of any immediate medical attention and special treatment needed**

No additional information available

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media : CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media : No information available.

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

No further relevant information available.

**5.3. Advice for firefighters**

Firefighting instructions : Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk: otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

Protection during firefighting : As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear to prevent contact with skin and eyes.

**SECTION 6: Accidental release measures**
**6.1. Personal precautions, protective equipment and emergency procedures**
**6.1.1. For non-emergency personnel**

Emergency procedures : Personnel should be trained for spill response operations. Contain spill if safe to do so.

**6.1.2. For emergency responders**

Protective equipment : Not required.

Emergency procedures : Not required.

**6.2. Environmental precautions**

Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.

**6.3. Methods and material for containment and cleaning up**

Methods for cleaning up : Absorb with liquid-binding material (ie sand, diatomite, acid binders, universal binders, sawdust). Dispose of the collected material according to regulations.

**6.4. Reference to other sections**

See Section 7 for information on safe handling.  
 See Section 8 for information on personal protective equipment.  
 See Section 13 for disposal information.

**SECTION 7: Handling and storage**
**7.1. Precautions for safe handling**

Precautions for safe handling : No special precautions are necessary if used correctly.

Hygiene measures : Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.

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

Technical measures : Comply with applicable regulations.

Storage conditions : Store containers in a cool, dry location. Keep in original container. Keep container closed when not in use.

Incompatible products : Store away from strong acids or oxidizers.

Incompatible materials : No further information available.

**7.3. Specific end use(s)**

No additional information available

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**

No additional information available.

**8.2. Exposure Limit Values**
**Components with occupational exposure limits:**

111-76-2-2-Butoxyethanol	: PEL	Long term value:240 mg/m <sup>3</sup> , 50ppm Skin
	: REL	Long term value:24 mg/m <sup>3</sup> , 5ppm Skin
	: TLV	Long term value:97 mg/m <sup>3</sup> , 20ppm BEI

**Ingredients with biological limit values:**

111-76-2 2-Butoxyethanol	: BEI	200 mg/g creatinine urine end of shift Butoxyacetic acid with hydrolysis
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**8.2. Exposure controls**

Personal protective equipment:	: Avoid all unnecessary exposure. Gloves. Protective goggles.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or face shield.



Other information	: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.
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**SECTION 9: Physical and chemical properties**

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

Physical state	: Liquid
Appearance	: Clear liquid
Colour	: Clear
Odour	: Sweetish
Odour threshold	: Not determined
p-value @ 20°C (68°F)	: 10.5-11.0
Relative evaporation rate	: Not determined
Melting point	: Not determined
Freezing point	: Not determined
Boiling point	: 104°C (219°F)
Flash point	: Not applicable
Ignition temperature/Decomposition temperature	: Not determined
Self ignition temperature	: Product is not self igniting
Decomposition temperature	: Not determined
Flammability (solid, gas)	: Not applicable
Vapour pressure @ 20°C (68°F)	: 23 hPa (17mm Hg)
Relative vapour density	: Not determined
Relative density	: Not determined
Density @ 20°C (68°F)	: 1.02 g/cm <sup>3</sup> (8.51 lbs/gal)
Solubility	: Fully miscible in water
Partition coefficient (n-octanol/water) Log Pow	: Not determined
Viscosity, kinematic	: Not determined
Viscosity, dynamic	: Not determined
Explosive properties	: Product does not present an explosion hazard
Oxidising properties	: Not determined
Explosive limits, lower	: 0.0 Vol %
Explosive limits, upper	: 0.0 Vol %
Solvent content, organic solvents	: 2.6%
Solvent content, water	: 92.3%
Solvent content, VOC	: 2.60%
Solvent solids content	: 2.0%

**9.2. Other information**

No further information available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No further relevant information available.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known.

**10.4. Conditions to avoid**

Will not polymerize.

**10.5. Incompatible materials**

Strong acids and strong oxidizing agents.

**10.6. Hazardous decomposition products**

No dangerous decomposition products known.

**Thermal decomposition/conditions to be avoided**

No decomposition if used according to specifications.

**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**

Acute toxicity

LD/LC50 values that are relevant for classification:

**ethylene glycol monobutyl ether (111-76-2)**

LD50 oral rat	470 mg/kg
LD50 dermal rab	220 mg/kg
IC50/4 h inhalative rat	2174.91 mg/l

**Primary irritant effect**

Skin corrosion/irritation

: No irritating effect.

Serious eye damage/irritation

: Irritating effect.

: Causes serious eye irritation.

**Additional toxicological information.**

The product shows the following dangers according to internally approved calculating method for preparations : Irritant

Carcinogenicity

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possible carcinogenic to humans

Group 3 - Not classifiable as its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

ethylene glycol monobutyl ether (111-76-2) : 3

**SECTION 12: Ecological information**
**12.1. Toxicity**

Aquatic toxicity

**2-Butoxyethanol (111-76-2)**

EC50 Water flea	1815 mg/l
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**12.2. Persistence and degradability**
**2-Butoxyethanol (111-76-2)**

Persistence and degradability	No further relevant information available
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**12.3. Bioaccumulative potential**
**2-Butoxyethanol (111-76-2)**

Bioaccumulative potential	No further relevant information available
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**12.4. Mobility in soil**

No further information available

**12.5. Results of PBT and vPvB assessment**
**Component**

2-Butoxyethanol (111-76-2)	PBT: not applicable vPBT: not applicable
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**12.6. Other adverse effects**

Additional information

: Avoid release to the environment. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**

Waste disposal recommendations

: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA

**14.1. UN number**

UN-No : Non-regulated material  
 UN-No.(IATA) : Non-regulated material  
 UN-No. (IMDG) : Non-regulated material

**14.2. UN proper shipping name**

Proper Shipping Name : Non-regulated material  
 Transport document description : Non-regulated material

**14.3. Transport hazard class(es)**

Class (UN) : Not applicable  
 Class (IATA) : Not applicable  
 Class (IMDG) : Not applicable  
 Hazard labels (UN) : Not applicable

**14.4. Packing group**

Packing group (UN) : Non-regulated material

**14.5. Environmental hazards**

Marine pollutant : No  
 Other information : No supplementary information available.

**14.6. Special precautions for user**
**14.6.1. Overland transport**

Hazard identification number (Kemler No.) : Not applicable  
 Classification code (UN) : Not applicable  
 Orange plates : Not applicable  
 Special provision (ADR) : Not applicable  
 Transport category (ADR) : Not applicable  
 Tunnel restriction code : Not applicable  
 Limited quantities (ADR) : Not applicable  
 Excepted quantities (ADR) : Not applicable  
 EAC code : Not applicable

**14.6.2. Transport by sea**

No additional information available

**14.6.3. Air transport**

No additional information available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

**SECTION 15 : Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
**Carcinogenic categories**

TLV (Threshold Limit Value established by ACGIH) : 2-Butoxyethanol (111-76-2) A3

**15.1.1. EU-Regulations**

No REACH Annex XVII restrictions.  
 Contains no REACH candidate substance

**15.1.2. National regulations**

No additional information available

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

User notes : Sections revised 1 to 16  
 Revision due to change in regulations  
 Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND  
 OF THE COUNCIL of 16 December 2008 on classification, labelling and  
 packaging of substances and mixtures, amending and repealing Directives  
 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.  
 Other information : Suppliers own data sheet (Sutherland Products Inc.), issued 02/02/2015,  
 revision date 02/02/2015, revision 03. Suppliers original SDS created by  
 Trend SDS reference : LEAF/HS/CLEAN

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H227	Combustable material
H320	Causes eye irritation
H332	Harmful if inhaled
H400	Very toxic to aquatic life
R36/38	Irritating to eyes and skin
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*