

Date of issue: 28th May 2015

 Revision date: 28th May 2015 Replaces version
dated: 28th Apr 2010

Version:4.0

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 CS13B
 Product code : U*CLEAN/500, U*CLEAN/5GAL, U*CLEAN/55GAL

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 Routing Technology Inc.
 7351 West Friendly Avenue, Suite A
 Greensboro NC 37410
 USA

T (336)-292-5051
 F (336)-292-5061
 lamuragljaj@trend-usa.com

www.trend-usa.com

1.4. Emergency telephone number

Emergency number : 1(800) 255 3924

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture

Eye Irrit. 2B H320 Causes eye irritation.

Full text of H-phrases: see section 16

2.2. Label elements

GHS label elements : The product is classified and labeled according to the Globally Harmonized System (GHS)
 Hazard pictograms : Non-regulated material
 Signal word : Warning!
 Hazard-determining components of labeling : C12-15 Alcohols Ethoxylate
 Hazard statements : H320 - Causes eye irritation
 Precautionary statements : 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.
 : P351 + P351 + 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.

Unknown acute toxicity

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

**Classification system
 NFPA ratings (scale 0 - 4)**


Health = 1
 Fire = 0
 Reactivity = 0

HMIS-ratings (scale 0 - 4)


Health = 1
 Fire = 0
 Reactivity = 0

2.3. Other hazards

None





SECTION 3: Composition/information on ingredients
Chemical characterization
3.1. Substances

Not applicable

3.2. Mixture

Description : Mixture of substances listed below with non-hazardous additions

Dangerous Components

(CAS No) 68131-39-5	Alcohols, C12-15, ethoxylate  Eye Dam.1, H318;  Aquatic Acute 1, H400;  Skin Irrit.2, H315	2 - 12 %
(CAS No) 497-19-8	Sodium carbonate  Eye Irrit. 2, H319	≤ 2.5 %

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 swallowing	: Rinse out mouth and then drink plenty of water. Call a doctor if irritation or symptoms develop.

Information for doctor
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 agents : CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Protective equipment : 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.

Information about protection against explosions and fires : No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

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.

Information about storage in one common storage facility : Not required.

Further information about storage conditions : Keep receptacle tightly sealed.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems : No further data; see Section 7.

8.1. Control parameters

No additional information available.

8.2. Exposure Limit Values
Components with occupational exposure limits:

The product does not contain any relevant quantities of materials with critical values that have been monitored at the workplace.

Additional information

The lists that were valid during the creation where used as a basis.

8.2. Exposure controls

Personal protective equipment: Avoid all unnecessary exposure.

General protective and hygienic measures : 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.

Breathing equipment : Not required.

Protection of hands : The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.
 : Select glove material based on penetration times, rates of diffusion and degradation.

Material of gloves : The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material : The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

Eye protection : Tightly sealed goggles.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear liquid

Color : Clear

Odor	: Sweetish
Odor threshold	: Not determined
Relative evaporation rate	: Not determined
Melting point	: Not determined
Freezing point	: Not determined
Boiling point	: 104°C (219°F)
Flash point	: Not applicable
Self ignition temperature	: Product is not self igniting
Ignition temperature/Decomposition temperature	: Not determined
Flammability (solid, gas)	: Not applicable
Vapor pressure @ 20°C (68°F)	: 23 hPa (17mm Hg)
Relative vapor density	: Not determined
Relative density	: Not determined
Density @ 20°C (68°F)	: 1.02 g/cm3 (8.512 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	: 0.0%
Solvent content, water	: 90.0%
Solvent 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

Primary irritant effect

on the skin	: No irritating effect.
on the eye	: 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

NTP (National Toxicology Program)

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed.

SECTION 12: Ecological information
12.1. Toxicity

Aquatic toxicity

No further relevant information available.

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

Additional ecological information

General notes

 : 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.

12.5. Results of PBT and vPvB assessment

PVT: not applicable

vPvB: not applicable

12.6. Other adverse effects

No further relevant information available.

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.

Uncleaned packagings

Recommendation

Recommended cleansing agent

: Disposal must be made according to official regulations.

: Water, if necessary with cleansing agents.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA

14.1. UN number

UN-No : Non-regulated material

UN-No.(DOT) : Non-regulated material

UN-No.(ADR) : Non-regulated material

UN-No.(ADN) : 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 (DOT) : Not applicable

Class (ADR) : Not applicable

Class (ADN) : Not applicable

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

Packing group (DOT, ADR, IMDG, IATA)

14.5. Environmental hazards

Marine pollutant : No

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
Sara

Section 355 (extremely hazardous substances) : None of the ingredients are listed.

Section 313 (Specific toxic chemical listings) : None of the ingredients are listed.

TSCA (Toxic Substances Control Act) All ingredients are listed.

Proposition 65

Chemicals known to cause cancer : None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females : None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males : None of the ingredients are listed.

Chemicals known to cause developmental toxicity : None of the ingredients are listed.

Carcinogenic categories

EPA (Environmental Protection Agency) : None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH) : None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health) : None of the ingredients are listed.

GHS label elements : The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms : Non-regulated material

Signal word : Warning

Hazard-determining components of labeling : C12-15 Alcohol Ethoxylate

Hazard statements : Causes eye irritation.

Precautionary statements : Wash hands, forearms and face thoroughly after handling.

IF IN EYES. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get Medical advice/attention.

Keep out of reach of children.

15.1.1. EU-Regulations

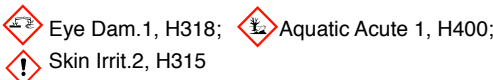

No REACH Annex XVII restrictions.

Contains no REACH candidate substance

15.1.2. National regulations

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

State Right to Know

(CAS No) 68131-39-5	Alcohols, C12-15, ethoxylate 	2 - 12 %
(CAS No) 497-19-8	Sodium carbonate 	≤ 2.5 %
(CAS No) 7732-18-5 RTECS: ZC 0110000	Water, distilled, conductivity or of similar purity	60-90 %

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 material specification change
Data sources	: OSHA Hazcom Standard 29 CFR 1910.1200(g)
Other information	: Suppliers own data sheet (Sutherland Products Inc.), issued 2nd Feb 2015, revision date 2nd Feb 2015, revision 03. Suppliers original SDS created by MSDS Authoring Services.
Trend SDS reference	: LEAF/HS/U*CLEAN

Full text of H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Eye Irrit. 2B	Serious eye damage/eye irritation, Hazard Category 2B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ADN	The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG	International Maritime Code for Dangerous Goods
DOT	US Department of Transportation
IATA	International Air Transport Association
ACGIH	American Conference of Governmental Industrial Hygienists
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
CAS	Chemical Abstracts Service (division of the American Chemical Society)
NFPA	National Fire Protection Association (USA)
HMIS	Hazardous Materials Identification System (USA)

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.