

Trefolex Cutting Compound

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: TREFOLEX CUTTING COMPOUND
Product number: TX011

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

Use of substance / mixture: PC14: Metal surface treatment products, including galvanic and electroplating products.

1.3. Details of the supplier of the safety data sheet

Company name: Warren Bestobell
Address: Adsetts House, 16 Europa View, Sheffield Business Park, Sheffield S9 1XH
Phone: 0330 123 1760
Email: exportsales@sigplc.com

1.4. Emergency telephone number

Emergency tel: 0330 123 1760 (UK Office Hours Mon - Fri 09.00 - 17.00)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC/1272/2008)
Physical hazards Not Classified
Health hazards Skin Irrit. 2 - H315 Skin Sens. 1 - H317
Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word

Warning

Hazard statements

H315 Causes skin irritation
H317 May cause an allergic skin reaction

Precautionary statements

P261 Avoid breathing vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/ container in accordance with national regulations.

Contains

PINE OIL 85

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SULPHUR

CAS number: 7704-34-9

10-30%

EC number: 231-722-6

Classification

Skin Irrit. 2 - H315

PINE OIL 85

CAS number: 8002-09-3

<1%

Classification

Flam. Liq. 3 - H226
Skin Corr. 1C - H314
Eye Irrit. 2 - H319
Skin Sens. 1A - H317
Asp. Tox. 1 - H304
Aquatic Chronic 2 - H411

ETHANOL

CAS number: 64-17-5

<1%

EC number: 200-578-6

Classification

Flam. Liq. 2 - H225

METHANOL

CAS number: 67-56-1

<1%

EC number: 200-659-6

Classification

Flam. Liq. 2 - H225
Acute Tox. 3 - H301
Acute Tox. 3 - H311
Acute Tox. 3 - H331
STOT SE 2 - H371

The Full Text for all Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

<i>Suitable extinguishing media</i>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

<i>Specific hazards</i>	None known.
<i>Hazardous combustion products</i>	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

5.3. Advice for firefighters

<i>Protective actions during firefighting</i>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
<i>Special protective equipment for firefighters</i>	Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

<i>Personal precautions</i>	Avoid contact with skin and eyes.
<i>For non-emergency personnel</i>	Keep unnecessary and unprotected personnel from the area.

6.2. Environmental precautions

<i>Environmental precautions</i>	Avoid discharge into drains and the aquatic environment.
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6.3. Methods and material for containment and cleaning up

<i>Methods for cleaning up</i>	Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
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6.4. Reference to other sections

<i>Reference to other sections</i>	For personal protection, see Section 8.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

<i>Usage precautions</i>	Avoid spilling, skin and eye contact. Avoid generation and spreading of dust.
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7.2. Conditions for safe storage, including any incompatibilities

<i>Storage precautions</i>	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures between 4°C and 18°C.
<i>Shelf Life</i>	In excess of 24 months

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

ETHANOL	Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m ³ Short-term exposure limit (15-minute): WEL
METHANOL	Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 266 mg/m ³ (Sk) Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 333 mg/m ³ (Sk) WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Paste.
Colour	Green-yellow.
Odour	Characteristic.
Odour threshold	No information available.
pH	Not available.
Initial boiling point and range	Not available.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not determined.
Vapour density	Not available.
Relative density	1.04 - 1.08
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.

Viscosity
Explosive properties
Oxidising properties
9.2. Other information
Volatile organic compound

Highly viscous
Not available.
Not available.

This product contains a maximum VOC content of 2.5 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid

Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects
Inhalation

No information available.
Gas or vapour in high concentrations may irritate the respiratory system.
Symptoms following overexposure may include the following: Coughing.

Ingestion
Skin contact
Eye contact

May cause discomfort if swallowed.
Liquid may irritate skin.
Vapour or spray in the eyes may cause irritation and smarting.

SECTION 12: Ecological Information

Ecotoxicity

Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity

No data on the mixture itself.

12.2. Persistence and degradability

Persistence and degradability

The product is biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product is not bioaccumulating.

Partition coefficient

Not available.

12.4. Mobility in soil

Mobility

Readily absorbed into soil

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant - No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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

EU legislation Regulation

(EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

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 (as amended).

Guidance

Workplace Exposure Limits EH40.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are known for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

WEL: Workplace Exposure Limit.

CAS: Chemical Abstracts Service.

PBT: Persistent, Bioaccumulative and Toxic substance.

vPvB: Very Persistent and Very Bioaccumulative.

Revision comments

Revised classification. Additional content added to other sections.

Revision date	12/04/2019
Revision	6
Supersedes date	01/04/2017
SDS number	31180
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H301 Toxic if swallowed. H304 May be fatal if swallowed and enters airways. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H331 Toxic if inhaled. H371 May cause damage to organs. H411 Toxic to aquatic life with long lasting effects.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.