



SAFETY DATA SHEET

TREMCO AW421 CLEANER C21

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name TREMCO AW421 CLEANER C21
Product No. 10166

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

Identified uses Solvent cleaner

1.3. Details of the supplier of the safety data sheet

Supplier: Tremco illbruck Coatings Ltd
 Coupland Rd
 Hindley Green
 Wigan
 WN2 4HT
 England
 Phone: +44 (0) 1942 251400
 Phone: +44 (0) 1942 258011
 Fax: +44 (0) 1942 521923
 msds@tremco-illbruck.com

1.4. Emergency telephone number

+44 (0) 1942 251400 (9am - 5pm UK)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xn;R48/20, R65. Repr. Cat. 3;R63. Xi;R36/38. F;R11. R67.

2.2. Label elements

Contains: TOLUENE

Labelling



Harmful



Highly Flammable

Risk Phrases

R11	Highly flammable.
R36/38	Irritating to eyes and skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63	Possible risk of harm to the unborn child.
R67	Vapours may cause drowsiness and dizziness.
R65	Harmful: may cause lung damage if swallowed.

Safety Phrases

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S51	Use only in well-ventilated areas.
S24/25	Avoid contact with skin and eyes.

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S36/37

Wear suitable protective clothing and gloves.

S62

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

P11

Restricted to professional users.

2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

BUTANONE	10-30%
CAS-No.: 78-93-3	EC No.: 201-159-0
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT Single 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67
TOLUENE	60-100%
CAS-No.: 108-88-3	EC No.: 203-625-9
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT Single 3 - H336 STOT Rep. 2 - H373 Asp. Tox. 1 - H304	Classification (67/548/EEC) F;R11 Repr.Cat.3;R63 Xn;R48/20,R65 Xi;R38 R67

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Information

NOTE! Keep affected person away from heat, sparks and flames! Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation.

Move the exposed person to fresh air at once. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Immediately rinse mouth and provide fresh air. Get medical attention immediately!

Skin Contact

Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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

General Information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. NOTE! Effects may be delayed. Keep affected person under observation.

Inhalation.

Vapours may cause headache, fatigue, dizziness and nausea. Difficulty in breathing.

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Ingestion

May cause discomfort if swallowed. Nausea, vomiting.

Skin Contact

Skin irritation. Prolonged contact may cause redness, irritation and dry skin.

Eye Contact

Irritating and may cause redness and pain.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

Fire can be extinguished using:

Foam.

Dry chemicals, sand, dolomite etc.

Unsuitable Extinguishing Media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Vapours are heavier than air and may spread near ground to sources of ignition.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Move container from fire area if it can be done without risk. Containers close to fire should be removed or cooled with water. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Do not breathe vapour. Provide adequate ventilation. Avoid contact with skin and eyes.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Stop leak if possible without risk. Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for more detailed information on health effects and symptoms. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Static electricity and formation of sparks must be prevented. Keep away from heat, sparks and open flame. Use explosion proof electric equipment. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

Storage Class

Flammable liquid storage.

7.3. 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

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Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTANONE	WEL	200 ppm(Sk)	600 mg/m3(Sk)	300 ppm(Sk)	899 mg/m3(Sk)	
TOLUENE	WEL	50 ppm(Sk)	191 mg/m3(Sk)	100 ppm(Sk)	384 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective Equipment



Engineering Measures

Explosion-proof general and local exhaust ventilation.

Respiratory Equipment

In case of inadequate ventilation use suitable respirator. Use respiratory equipment with gas filter, type A2.

Hand Protection

Use protective gloves made of: Nitrile.

Eye Protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Solvent.
Solubility	Partially soluble in water
Initial Boiling Point and Boiling Range:	80°C - 120°C
Relative Density	0.85 @ 20°C
Flash Point (°C)	-7°C CC (Closed cup).
Auto Ignition Temperature (°C)	230°C
Flammability Limit - Lower(%)	0.9
Flammability Limit - Upper(%)	11.5

9.2. Other information

Volatile By Vol. (%)	100%
Volatile Organic Compound (VOC)	850 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product may form explosive vapours/air mixtures even at normal room temperatures.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

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Materials To Avoid

Strong oxidising substances.

10.6. Hazardous decomposition products

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Other Health Effects

Toxic to Reproductive Health Category 3.

General Information

Contains Toluene which is suspected of causing harm to the unborn child.

Inhalation

Vapour from this chemical can be hazardous when inhaled. Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion.

May cause stomach pain or vomiting.

Skin Contact

Irritating to skin. Repeated exposure may cause skin dryness or cracking.

Eye Contact

Spray and vapour in the eyes may cause irritation and smarting.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

12.2. Persistence and degradability

Degradability:

The product is potentially degradable.

12.3. Bioaccumulative potential

Bioaccumulative Potential:

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General Information

The product (including empty containers containing any residual unevaporated solvent) is classed as hazardous waste.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Waste Class

Hazard Classification: H3A H4 H5 H10 EWC Code : 14 06 03

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

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UN No. (ADR/RID/ADN) 1993
UN No. (IMDG) 1993
UN No. (ICAO) 1993

14.2 UN Proper shipping name

Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (mixture containing Toluene)

14.3 Transport hazard class(es)

ADR/RID/ADN Class 3
ADR/RID/ADN Class Class 3: Flammable liquids.
IMDG Class 3
ICAO Class/Division 3
Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group II
IMDG Packing group II
ICAO Packing group II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

Hazard No. (ADR) 33 Highly flammable liquid (flash-point below 23°C).
Tunnel Restriction Code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Uk Regulatory References

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 ("CHIP 4")

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Dangerous Preparations Directive 1999/45/EC.

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 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 02/08/2011

Supersedes Date 01/02/2011

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SDS No.

10255

Risk Phrases In Full

R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R63	Possible risk of harm to the unborn child.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.
H361d	Suspected of damaging the unborn child.