

# Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: **TREMCO AW421**

MSDS code: W-T-AW421

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

Only for trade users / technical specialists

Application of the substance / the mixture Cleaner solvent

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

Tremco CPG UK Ltd

Coupland Road, Hindley Green, Wigan, WN2 4HT

Tel: +44 (0) 1942251400, Fax: +44 (0) 1942251410

msds@tremcocpg.com

#### Further information obtainable from:

Tremco CPG UK Ltd

Coupland Road, Hindley Green, Wigan, WN2 4HT

T: +44 (0) 1942251400, F: +44 (0) 1942251410

www.tremcocpg.eu, info.uk@tremcocpg.com

### 1.4 Emergency telephone number:

During office hours (08:30 - 17:00 GMT) tel.: +44 (0) 1942251400. At all other times it is recommended to call NHS 111 (England/Wales/Scotland), your local GP/pharmacist (NI), 01 809 2166 (ROI), or otherwise to contact a doctor.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Repr. 2 H361d Suspected of damaging the unborn child.

STOT SE 3 H336 May cause drowsiness or dizziness.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

(Contd. on page 2)

# Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

**Trade name: TREMCO AW421**

(Contd. of page 1)

· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** Danger· **Contains:**toluene  
butanone· **Hazard statements**

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

· **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P313 Get medical advice/attention.

· **Supplemental information:**

Restricted to professional users.

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons	≥15 - <30%
------------------------	------------

· **2.3 Other hazards**· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

· **Determination of endocrine-disrupting properties**

CAS: 78-93-3 butanone	List II
-----------------------	---------

## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**· **Description:** Solvent mixture

(Contd. on page 3)

GB

# Safety data sheet

## acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

**Trade name: TREMCO AW421**

(Contd. of page 2)

**· Dangerous components:**

CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51-xxxx	toluene Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	75-<100%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-xxxx	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	20-<30%

· **EU SVHC** see Section 15· **GB SVHC** see Section 15· **Additional information:** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****· 4.1 Description of first aid measures****· General information:**

Take affected persons out of danger area and lay down.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**· After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

**· After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**· After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**· After swallowing:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Seek immediate medical advice.

**· Information for doctor:** No further relevant information available.**· 4.2 Most important symptoms and effects, both acute and delayed**

Breathing difficulty

Headache

Dizziness

Nausea

Harmful: may cause lung damage if swallowed.

Chemical pneumonia.

May cause damage to organs through prolonged or repeated exposure.

Irritating to eyes and skin.

**· Hazards** No further relevant information available.**· 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

GB

(Contd. on page 4)

# Safety data sheet

## acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

Trade name: TREMCO AW421

(Contd. of page 3)

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
Can form explosive gas-air mixtures.  
Formation of toxic gases is possible during heating or in case of fire.  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Hydrogen chloride (HCl)  
Nitrogen oxides (NO<sub>x</sub>)
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information**  
Cool endangered receptacles with water spray.  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Keep people at a distance and stay on the windward side.  
Ensure adequate ventilation.  
Keep away from ignition sources.  
Avoid contact with the eyes and skin.
- **6.2 Environmental precautions:**  
Do not allow to enter sewers/ surface or ground water.  
Keep contaminated washing water and dispose of appropriately.
- **6.3 Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### \* SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Avoid contact with the eyes and skin.

(Contd. on page 5)

# Safety data sheet

**acc. (EC) 1907/2006, as amended by UK SI 2019/758**

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

**Trade name: TREMCO AW421**

(Contd. of page 4)

Avoid breathing vapours.

Do not eat, drink, smoke or sniff while working.

Ensure that washing facilities are available at the work place.

Pregnant women should strictly avoid inhalation or skin contact.

**Information about fire - and explosion protection:**

Highly flammable.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Protect against electrostatic charges.

Fumes can combine with air to form an explosive mixture.

Use explosion-proof apparatus / fittings and spark-proof tools.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Store only in unopened original receptacles.

**Information about storage in one common storage facility:**

Store away from oxidising agents.

Protect from heat and direct sunlight.

**Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Storage temperature: +5°C to +25°C

**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 108-88-3 toluene**

WEL	Short-term value: 384 mg/m <sup>3</sup> , 100 ppm
	Long-term value: 191 mg/m <sup>3</sup> , 50 ppm
Sk	

**CAS: 78-93-3 butanone**

WEL	Short-term value: 899 mg/m <sup>3</sup> , 300 ppm
	Long-term value: 600 mg/m <sup>3</sup> , 200 ppm
Sk, BMGV	

**DNELs****CAS: 108-88-3 toluene**

Oral	consumer	0.085 mg/kg/24h (consumers) (systemic effects)
Dermal	industrial	0.17 mg/kg/24h (workers) (systemic effects)
	consumer	0.085 mg/kg/24h (consumers) (systemic effects)

(Contd. on page 6)

# Safety data sheet

## acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

**Trade name: TREMCO AW421**

(Contd. of page 5)

**· Long term effects****CAS: 108-88-3 toluene**

Inhalative	industrial	1.198 mg/m <sup>3</sup> (workers) (systemic effects)
	consumer	0.29 mg/m <sup>3</sup> (consumers) (systemic effects)

**· PNECs****CAS: 108-88-3 toluene**

PNEC	0.103 mg/L (fresh water) (assessment factors)
	2.22 mg/L (sewage treatment plant) (assessment factors)
	mg/L (intermittent release) (exposure not expected)
	0.0103 mg/L (salt water) (assessment factors)
PNEC	0.04555 mg/kg (soil) (equilibrium partitioning)
	0.059 mg/kg (sediment (salt water)) (equilibrium partitioning)
	0.586 mg/kg (sediment (fresh water)) (equilibrium partitioning)

**· Ingredients with biological limit values:****CAS: 78-93-3 butanone**

BMGV	70 µmol/L
	Medium: urine
	Sampling time: post shift
	Parameter: butan-2-one

**· Additional information:**

The lists valid during the making were used as basis.  
 HSE EH40/2005 Workplace Exposure Limits (as amended)

**· 8.2 Exposure controls****· Individual protection measures, such as personal protective equipment****· General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
 Do not eat, drink, smoke or sniff while working.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Do not breathe vapour.  
 Avoid contact with the eyes and skin.  
 Use skin protection cream for skin protection.

**· Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
 Take note of emission threshold.  
 Filter A  
 Use only in well-ventilated areas.  
 For further guidance,  
 please refer to HSE HSG53 "Respiratory Protective Equipment at work - A Practical Guide".

(Contd. on page 7)

# Safety data sheet

## acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

**Trade name: TREMCO AW421**

(Contd. of page 6)

### · Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

### · Material of gloves

PE gloves

EN 374

Recommended thickness of the material:  $\geq 0.062$  mm

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 can not 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 found out by the manufacturer of the protective gloves and has to be observed.

 $\geq 8$  hours

### · Eye/face protection



Tightly sealed goggles

### · Body protection:



Protective work clothing

## SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · General Information

· Colour:	Colourless
· Odour:	Like aromatic solvents
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	79 °C
· Lower and upper explosion limit	
· Lower:	1.0 Vol % (CAS: 108-88-3 toluene)
· Upper:	11.5 Vol % (CAS: 78-93-3 butanone)
· Flash point:	-9 °C (Closed Cup)
· Auto-ignition temperature:	>404 °C

(Contd. on page 8)

# Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

**Trade name: TREMCO AW421**

(Contd. of page 7)

· <b>Viscosity:</b>	
· <b>Kinematic viscosity at 40 °C</b>	<20.5 mm <sup>2</sup> /s
· <b>Solubility</b>	
· <b>water:</b>	Slightly soluble.
· <b>Vapour pressure at 20 °C:</b>	49.7 hPa
· <b>Vapour pressure at 50 °C:</b>	192.5 hPa
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	0.85 g/cm <sup>3</sup>
· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Liquid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Solvent content:</b>	
· <b>VOC (EU)</b>	100 %
· <b>VOC (EC)</b>	850 g/l
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Highly flammable liquid and vapour.
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

**SECTION 10: Stability and reactivity**· **10.1 Reactivity** Stable

(Contd. on page 9)



# Safety data sheet

## acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

**Trade name: TREMCO AW421**

(Contd. of page 8)

- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
Reacts with strong oxidising agents.  
Reacts with reducing agents.
- **10.4 Conditions to avoid**  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)

## SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

### · LD/LC50 values relevant for classification:

#### CAS: 108-88-3 toluene

Oral	LD50	6,000 mg/kg (rat)
Dermal	LD50	6,000 mg/kg (rabbit)
Inhalative	LC50/4 h	21 mg/L (rat)

#### CAS: 78-93-3 butanone

Oral	LD50	2,500 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	5,000 mg/L (rat)

- **Skin corrosion/irritation**  
Irritant to skin and mucous membranes.  
Strong degreasing effect.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity**  
Suspected of damaging the unborn child.
- **STOT-single exposure**  
May cause drowsiness or dizziness.
- **STOT-repeated exposure**  
May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard**  
May be fatal if swallowed and enters airways.

(Contd. on page 10)

# Safety data sheet

## acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

**Trade name: TREMCO AW421**

(Contd. of page 9)

- **Additional toxicological information:**

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Harmful: may cause lung damage if swallowed.

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

CAS 108-88-3; Repr. 2 (GB CLP)

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

CAS: 78-93-3 butanone

List II

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**CAS: 108-88-3 toluene**

LC50/96 h 24 mg/L (rainbow trout)

13 mg/L (carassius auratus)

EC50/48 h 11.5 mg/L (daphnia magna)

**CAS: 78-93-3 butanone**

LC0/96 h 2,993 mg/L (pimephales promelas)

LC50/48 h &gt;100 mg/L (leuciscus idus)

EC50/48 h &gt;100 mg/L (daphnia magna)

EC50/96 h 2,029 mg/L (algae)

&gt;50 mg/L (bacterium)

- **12.2 Persistence and degradability** The product is not easily, but potentially biodegradable.

- **12.3 Bioaccumulative potential** Does not accumulate in organisms

- **12.4 Mobility in soil** No further relevant information available.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

- **12.7 Other adverse effects**

- **Ecotoxicological effects:**

**CAS: 108-88-3 toluene**

IC50/72 h 12 mg/L (selenstrum capricornutum)

(Contd. on page 11)

# Safety data sheet

## acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

**Trade name: TREMCO AW421**

(Contd. of page 10)

- **Additional ecological information:**

- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Disposal must be made according to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

20 01 29*	detergents containing hazardous substances
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP10	Toxic for reproduction

- **Uncleaned packaging:**

- **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Non contaminated packagings may be recycled.

### SECTION 14: Transport information

- **14.1 UN number or ID number**

- **ADR, IMDG, IATA**

UN1993

- **14.2 UN proper shipping name**

- **ADR**

1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE)

1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE)

- **IMDG, IATA**

FLAMMABLE LIQUID, N.O.S. (TOLUENE)

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

- **ADR**



- **Class**

3 (F1) Flammable liquids.

(Contd. on page 12)

GB

## Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758


Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

**Trade name: TREMCO AW421**

(Contd. of page 11)

· <b>Label</b>	3
· <b>IMDG, IATA</b>	
	
· <b>Class</b>	3 Flammable liquids.
· <b>Label</b>	3
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	II
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Warning: Flammable liquids.
· <b>Hazard identification number (Kemler code):</b>	33
· <b>EMS Number:</b>	F-E, <u>S-E</u>
· <b>Stowage Category</b>	B
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE), 3, II

### \* SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 HSE EH40/2005 Workplace Exposure Limits (as amended)  
 Guidance on the classification and assessment of waste | Technical Guidance WM3 (1st edition 2015)

(Contd. on page 13)

## Safety data sheet

**acc. (EC) 1907/2006, as amended by UK SI 2019/758**

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

**Trade name: TREMCO AW421**

(Contd. of page 12)

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents

"GB- CLP" UK SI 2019 No. 720 The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019

"UK- REACH" UK SI 2019 No. 758 The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

The Endocrine Disruptor Lists I, II, III ([www.edlists.org](http://www.edlists.org))

- **Directive 2012/18/EU**

- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t

- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 48

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

All substances have the value 3.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

All substances have the value 3.

- **National regulations:**

- **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

- **Other regulations, limitations and prohibitive regulations** No further relevant information available.

- **Substances of very high concern (SVHC) according to EU REACH, Article 57** Not applicable.

- **Substances of very high concern (SVHC) according to UK REACH** Not applicable.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

(Contd. on page 14)

## Safety data sheet

### acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.10.2023

Version number 5 (replaces version 4)

Revision: 04.10.2023

**Trade name: TREMCO AW421**

(Contd. of page 13)

H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 H361d Suspected of damaging the unborn child.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 EUH066 Repeated exposure may cause skin dryness or cracking.

· **Department issuing SDS:**

Prepared and verified in accordance with Annex II, Part A, 0.2.3. of "UK- REACH" UK SI 2019 No. 758  
 The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

· **Date of previous version:** 29.06.2017

· **Version number of previous version:** 4

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 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)  
 VOC: Volatile Organic Compounds (USA, EU)  
 DNEL: Derived No-Effect Level (UK REACH)  
 PNEC: Predicted No-Effect Concentration (UK REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 Flam. Liq. 2: Flammable liquids – Category 2  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
 Repr. 2: Reproductive toxicity – Category 2  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
 Asp. Tox. 1: Aspiration hazard – Category 1

· **\* Data compared to the previous version altered.**