

# Safety data sheet

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

Printing date 02.02.2022

Version number 5

Revision: 02.02.2022

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

### · 1.1 Product identifier

· Trade name: **TREMCO SF115**

· MSDS code: W-T-SF115

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

Restricted to professional users.

· **Application of the substance / the mixture** Adhesives

### · 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@cpg-europe.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.cpg-europe.com, info.uk@cpg-europe.com

### · 1.4 Emergency telephone number:

During office hours 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.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

### · 2.2 Label elements

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

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

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· **Hazard pictograms**

GHS02 GHS07 GHS08 GHS09

· **Signal word** Danger· **Contains:**

toluene

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane

butanone

acetone

· **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.

H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.

P260 Do not breathe vapours.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a doctor.

P331 Do NOT induce vomiting.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

· **Supplemental information:**

EUH208 Contains Rosin. May produce an allergic reaction.

Restricted to professional users.

· **2.3 Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

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

#### Dangerous components:

EC number: 921-024-6 Reg.nr.: 01-2119475515-33-xxxx	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	20-<30%
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	20-<30%
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	10-<20%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2219471330-49-xxxx	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-<20%
CAS: 8050-09-7 EINECS: 232-475-7 Reg.nr.: 01-2119480418-32-xxxx	Rosin Skin Sens. 1, H317	0.1-<1%
CAS: 1314-13-2 EINECS: 215-222-5 Reg.nr.: 01-2119463881-32-xxxx	zinc oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0.1-<1%
CAS: 110-54-3 EINECS: 203-777-6 Reg.nr.: 01-2119480412-44-xxxx	n-hexane Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	0.1-<1%
CAS: 110-82-7 EINECS: 203-806-2 Reg.nr.: 01-2119463273-41-xxxx	cyclohexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H336	0.1-<1%

**SVHC -**

**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:

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

Take affected persons out of danger area and lay down.

#### After inhalation:

Supply fresh air.

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- Seek immediate medical advice.  
 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:** Do not induce vomiting; call for medical help immediately.
  - **Information for doctor:** No further relevant information available.
  - **4.2 Most important symptoms and effects, both acute and delayed**  
 Harmful: may cause lung damage if swallowed.  
 Dizziness  
 Vapours have narcotic effect.  
 Breathing difficulty  
 Disorientation  
 Allergic reactions  
 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.

### 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.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
 Formation of toxic gases is possible during heating or in case of fire.  
 Carbon monoxide (CO)  
 Carbon dioxide (CO<sub>2</sub>)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
 Collect contaminated fire fighting water separately. It must not enter the sewage system.  
 Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
 Wear protective clothing.  
 Keep people at a distance and stay on the windward side.  
 Keep away from ignition sources.
- **6.2 Environmental precautions:**  
 Do not allow to enter sewers/ surface or ground water.  
 Inform respective authorities in case of seepage into water course or sewage system.

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- **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).  
 Dispose of contaminated material as waste according to Section 13.
- **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.  
 Pregnant women should strictly avoid inhalation or skin contact.
- **Information about fire - and explosion protection:**  
 Highly flammable.  
 Keep ignition sources away - Do not smoke.  
 Protect against electrostatic charges.  
 Fumes can combine with air to form an explosive mixture.
- **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.
- **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:

**Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

TWA Long-term value: 1200 mg/m<sup>3</sup>

**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  
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**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
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**CAS: 67-64-1 acetone**

WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
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**CAS: 8050-09-7 Rosin**

WEL	Short-term value: 0.15 mg/m <sup>3</sup> Long-term value: 0.05 mg/m <sup>3</sup> Sen
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**CAS: 110-54-3 n-hexane**

WEL	Long-term value: 72 mg/m <sup>3</sup> , 20 ppm
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**CAS: 110-82-7 cyclohexane**

WEL	Short-term value: 1050 mg/m <sup>3</sup> , 300 ppm Long-term value: 350 mg/m <sup>3</sup> , 100 ppm
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**· DNELs****CAS: 1314-13-2 zinc oxide**

Dermal	consumer	83 mg/kg/24h (general public)
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**· PNECs****CAS: 78-93-3 butanone**

PNEC	55.8 mg/L (fresh water) 709 mg/L (sewage treatment plant) 55.8 mg/L (sporadic release) 55.8 mg/L (salt water)
PNEC	22.5 mg/kg (soil) 284.7 mg/kg (sediment (salt water)) 284.7 mg/kg (sediment (fresh water))

**CAS: 67-64-1 acetone**

PNEC	100 mg/L (sewage treatment plant) 10.6 mg/L (sediment (fresh water)) 1.06 mg/L (salt water)
PNEC	29.5 mg/kg (soil) 3.04 mg/kg (sediment (salt water)) 30.4 mg/kg (sediment (fresh water))

**CAS: 1314-13-2 zinc oxide**

PNEC	0.0206 mg/L (fresh water) 0.1 mg/L (sewage treatment plant)
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PNEC	0.0061 mg/L (marine) 35.6 mg/kg dwt (soil) 56.5 mg/kg dwt (sediment (salt water)) 117.8 mg/kg dwt (sediment (fresh water))
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· **Ingredients with biological limit values:**

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

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

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

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Pregnant women should strictly avoid inhalation or skin contact.  
Do not eat, drink, smoke or sniff while working.

· **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.

Filter AX

Use only in well-ventilated areas.

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Take note of emission threshold.

For further guidance,

please refer to HSE HSG53 "Respiratory Protective Equipment at work - A Practical Guide".

· **Protection of hands:**



Protective gloves

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

· **Material of gloves**

Nitrile rubber, NBR

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.

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- **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.

- **Eye 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**

- **Appearance:**

Form:	Viscous
Colour:	Light brown
Odour:	Solvent-like

- **pH-value:**

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	36 °C

- **Flash point:** <-18 °C

- **Ignition temperature:** >200 °C

- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

Lower:	0.9 Vol %
Upper:	13.0 Vol %

- **Density at 20 °C:** 0.86 g/cm<sup>3</sup>

- **Solubility in / Miscibility with water:** Insoluble.

- **Viscosity:**

Dynamic at 20 °C: 4500 mPas

- **Solvent content:**

VOC (EC) 665 g/l

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**9.2 Other information**

No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** Stable
- **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 acids, alkalis and oxidising 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

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:****Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	ATE	>20 mg/l (unknown)

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

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	5,320 mg/L (mouse)

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

Oral	LD50	3,300 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	34 mg/L (rat)

**CAS: 67-64-1 acetone**

Oral	LD50	5,800 mg/kg (rat) (OECD 401)
Dermal	LD50	20,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC0/4 h	16,000 ppm (rat)
	LC50/4 h	76 mg/L (rat)

**CAS: 1314-13-2 zinc oxide**

Oral	LD50	>5,000 mg/kg (rat)
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**CAS: 110-54-3 n-hexane**

Oral	LD50	5,000 mg/kg (mouse)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	172 mg/L (rat)

**CAS: 110-82-7 cyclohexane**

Oral	LD50	12,705 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	14 mg/L (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Strong degreasing effect.  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Sensitising effect by skin contact is possible by prolonged exposure.
- **Additional toxicological information:**  
Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
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 (CLP)
- **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.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

EC50/48 h	36 mg/L (fish)
EC50/72 h	30 mg/L (pseudokirchneriella subcapit.)

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

LC0/96 h	2,993 mg/L (pimephales promelas)
EC50/48 h	308 mg/L (daphnia magna)

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**CAS: 67-64-1 acetone**

LC50/96 h	5,540 mg/L (oncorhynchus mykiss)
	7,500 mg/L (leuciscus idus)
EC50/48 h	6,100 mg/L (daphnia magna)
IC50/8 d	7,500 mg/L (scenedesmus quadricauda)

**CAS: 1314-13-2 zinc oxide**

LC50/96 h	1.1 mg/L (fish)
EC50/48 h	>1,000 mg/L (daphnia magna)

**CAS: 110-54-3 n-hexane**

LC50/24 h	4 mg/L (carassius auratus)
EC50/48 h	2.1 mg/L (daphnia magna)

**CAS: 110-82-7 cyclohexane**

LC50/48 h	5 mg/L (fish)
	55 mg/L (leuciscus idus)
EC50	135 mg/L (daphnia magna)
EC50/72 h	>500 mg/L (desmodesmus subspicatus)

- **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.

· **Ecotoxicological effects:****CAS: 1314-13-2 zinc oxide**

IC50/72 h	0.1-1 mg/L (algae)
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- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Disposal must be made according to official regulations.

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· <b>European waste catalogue</b>	
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP10	Toxic for reproduction
HP14	Ecotoxic





· **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**

· <b>14.1 UN-Number</b>	
· <b>ADR, IMDG, IATA</b>	UN1133
· <b>14.2 UN proper shipping name</b>	
· <b>ADR</b>	1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS
	1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS
· <b>IMDG</b>	ADHESIVES (Naphtha (petroleum), hydrotreated light, zinc oxide), MARINE POLLUTANT
· <b>IATA</b>	ADHESIVES
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR</b>	
 	
· <b>Class</b>	3 (F1) Flammable liquids.
· <b>Label</b>	3
· <b>IMDG</b>	
 	
· <b>Class</b>	3 Flammable liquids.

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· <b>Label</b>	3
· <b>IATA</b>	
	
· <b>Class</b>	3 Flammable liquids.
· <b>Label</b>	3
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	III
· <b>14.5 Environmental hazards:</b>	Product contains environmentally hazardous substances: zinc oxide
· <b>Marine pollutant:</b>	Yes
· <b>Special marking (ADR):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>14.6 Special precautions for user</b>	Warning: Flammable liquids.
· <b>Hazard identification number (Kemler code):</b>	-
· <b>EMS Number:</b>	F-E, S-D
· <b>Stowage Category</b>	B
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <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 1133 ADHESIVES, 3, III, ENVIRONMENTALLY HAZARDOUS

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### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - "EU-CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1)
  - "EU-REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments)
  - COMMISSION REGULATION (EU) 2020/878 of 18 June 2020.
  - HSE EH40/2005 Workplace Exposure Limits (as amended)
  - Guidance on the classification and assessment of waste | Technical Guidance WM3 (1st edition 2015)
  - "GB-CLP" The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019
  - "UK-REACH" The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020
- **Directive 2012/18/EU**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **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**
  - "REACH" Regulation (EC) No 1907/2006; ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES
- **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.
  - H317 May cause an allergic skin reaction.
  - H319 Causes serious eye irritation.
  - H332 Harmful if inhaled.
  - H336 May cause drowsiness or dizziness.
  - H361d Suspected of damaging the unborn child.
  - H361f Suspected of damaging fertility.
  - H373 May cause damage to organs through prolonged or repeated exposure.
  - H400 Very toxic to aquatic life.
  - H410 Very toxic to aquatic life with long lasting effects.
  - H411 Toxic to aquatic life with long lasting effects.

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# Safety data sheet

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

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· **Department issuing SDS:**

Prepared and verified in accordance with "REACH" Regulation (EC) No 1907/2006, Annex II, Part A, 0.2.3.

· **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 (REACH)

PNEC: Predicted No-Effect Concentration (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

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Repr. 2: Reproductive toxicity – 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

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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