

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

Printing date 29.04.2025

Version number 6 (replaces version 5)

Revision: 29.04.2025

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** illbruck CT456**MSDS code:** A-I-CT456**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance / the mixture** Adhesives**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Tremco CPG Netherlands B.V.

Vlietskade 1032, 4241 WC Arkel

T: +31 (0) 183568000, F: +31 (0) 183568100

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 (Mon-Fri 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.

STOT SE 3            H336 May cause drowsiness or dizziness.

Aquatic Acute 1        H400 Very toxic to aquatic life.

Aquatic Chronic 1    H410 Very 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 GB CLP regulation.

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**· Hazard pictograms**

GHS02 GHS07 GHS09

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

cyclohexane

acetone

butanone

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, &lt;0.1% benzene

**· Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H410 Very toxic to aquatic life with long lasting effects.

**· Precautionary statements**

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

P261 Avoid breathing vapours.

P273 Avoid release to the environment.

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.

**· 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:** Mixture of substances listed below with non-hazardous additions.**· Dangerous components:**

CAS: 110-82-7	cyclohexane	30-<50%
EINECS: 203-806-2	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1,	
Reg.nr.: 01-2119463273-41-xxxx	H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	

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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, EUH066	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, EUH066	3-<10%
EC number: 927-510-4 Reg.nr.: 01-2119475515-33-xxxx	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	3-<10%
EC number: 920-750-0 Reg.nr.: 01-2119473851-33-xxxx	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, <0.1% benzene Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	3-<10%
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43-xxxx	ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319	3-<10%

- **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:**

Remove persons from danger area.  
Take affected persons out into the fresh air.

##### · **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.  
Immediately remove all soiled and contaminated clothing  
If skin irritation continues, consult a doctor.

##### · **After eye contact:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If symptoms persist consult doctor.

##### · **After swallowing:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
Drink plenty of water and provide fresh air. Call for a doctor immediately.

##### · **Information for doctor:** No further relevant information available.

#### · 4.2 Most important symptoms and effects, both acute and delayed

Vapours may cause drowsiness and dizziness.  
Headache

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- Nausea
- Irritating to eyes and skin.
- Repeated exposure may cause skin dryness or cracking.
- Harmful: may cause lung damage if swallowed.
- **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.  
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.  
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).  
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)
- **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.
- **For non-emergency personnel** No further relevant information available.
- **For emergency responders** No further relevant information available.
- **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.
- **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).

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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 interior ventilation, especially at floor level. (Fumes are heavier than air).

Avoid contact with the eyes and skin.

Use only in well-ventilated areas.

Use personal protective equipment as required.

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

Keep away from sources of ignition - No smoking.

Avoid breathing vapours.

Ensure that washing facilities are available at the work place.

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

Highly flammable liquid and vapour.

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.

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

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

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: 67-64-1 acetone**WEL Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppmLong-term value: 1210 mg/m<sup>3</sup>, 500 ppm**CAS: 78-93-3 butanone**WEL Short-term value: 899 mg/m<sup>3</sup>, 300 ppmLong-term value: 600 mg/m<sup>3</sup>, 200 ppm

Sk, BMGV

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**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**OES | Long-term value: 2085 mg/m<sup>3</sup>, 500 ppm**CAS: 64-17-5 ethanol**WEL | Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm**Long term effects****CAS: 110-82-7 cyclohexane**

Oral	industrial	700 mg/m <sup>3</sup> (workers) (local effects)
	consumer	59.4 mg/kg/24h (general public) (systemic effects)
Dermal	industrial	2,016 mg/kg/24h (workers) (systemic effects)
	consumer	1,186 mg/kg/24h (general public) (systemic effects)
Inhalative	industrial	700 mg/m <sup>3</sup> (workers) (systemic effects)
	consumer	412 mg/m <sup>3</sup> (general public) (systemic and local effects)

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

Oral	consumer	62 mg/m <sup>3</sup> (general public) (systemic effects)
Dermal	industrial	186 mg/kg/24h (workers) (systemic effects)
	consumer	62 mg/kg/24h (general public) (systemic effects)
Inhalative	industrial	1,210 mg/m <sup>3</sup> (workers) (systemic effects)
	consumer	200 mg/m <sup>3</sup> (general public) (systemic effects)

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

Oral	consumer	31 mg/kg/24h (general public) (systemic effects)
Dermal	industrial	1,161 mg/kg/24h (workers) (systemic effects)
	consumer	412 mg/kg/24h (general public) (systemic effects)
Inhalative	industrial	600 mg/m <sup>3</sup> (workers) (systemic effects)
	consumer	106 mg/m <sup>3</sup> (general public) (systemic effects)

**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Dermal	industrial	300 mg/kg/24h (workers)
	consumer	149 mg/kg/24h (general public)
Inhalative	industrial	2,085 mg/m <sup>3</sup> (workers)
	consumer	447 mg/m <sup>3</sup> (general public)

**Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, <0.1% benzene**

Oral	consumer	699 mg/kg/24h (general public) (systemic effects)
Dermal	industrial	773 mg/kg/24h (workers) (systemic effects)
	consumer	699 mg/kg/24h (general public) (systemic effects)
Inhalative	industrial	2,035 mg/m <sup>3</sup> (workers) (systemic effects)
	consumer	608 mg/m <sup>3</sup> (general public) (systemic effects)

**CAS: 64-17-5 ethanol**

Oral	consumer	87 mg/kg/24h (general public) (systemic effects)
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Dermal	industrial	343 mg/kg/24h (workers) (systemic effects)
	consumer	206 mg/kg/24h (general public) (systemic effects)
Inhalative	industrial	950 mg/m3 (workers) (systemic effects)
	consumer	114 mg/m3 (general public) (systemic effects)

**Short term effects****CAS: 110-82-7 cyclohexane**

Inhalative	industrial	700 mg/m3 (workers) (systemic and local effects)
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**CAS: 67-64-1 acetone**

Dermal	industrial	186 mg/m3 (workers) (systemic effects)
Inhalative	industrial	2,420 mg/m3 (workers) (local effects)

**CAS: 64-17-5 ethanol**

Inhalative	industrial	1,900 mg/m3 (workers) (local effects)
	consumer	950 mg/m3 (general public) (local effects)

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

PNEC	0.207 mg/L (fresh water)
	3.24 mg/L (sewage treatment plant)
	0.207 mg/L (salt water)
PNEC	2.99 mg/kg (soil)
	3.627 mg/kg (sediment (salt water))
	3.627 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: 78-93-3 butanone**

PNEC	55.8 mg/L (fresh water)
	709 mg/L (sewage treatment plant)
	55.8 mg/L (intermittent 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))

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**CAS: 64-17-5 ethanol**

PNEC	0.96 mg/L (fresh water)
	0.79 mg/L (salt water)
PNEC	0.63 mg/kg (soil)
	3.6 mg/kg (sediment (fresh water))

**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.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid breathing vapours.  
Avoid contact with the eyes and skin.  
Use skin protection cream for skin protection.  
Ensure good ventilation/exhaustion at the workplace.  
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.

Take note of emission threshold.

Use only in well-ventilated areas.

Filter A2/P3

For further guidance,

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

**Hand protection**

Protective gloves

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

**Material of gloves**

Nitrile rubber, NBR

EN 374

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

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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**

Recommendation:

≥ 6 hours

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **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**

· <b>Colour:</b>	According to product specification
· <b>Odour:</b>	Like aromatic solvents
· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Boiling point or initial boiling point and boiling range</b>	110 °C
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	1 Vol %
· <b>Upper:</b>	19 Vol %
· <b>Flash point:</b>	-7 °C (Closed Cup)
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	>20.5 mm <sup>2</sup> /s
· <b>Dynamic at 23 °C:</b>	120 - 280 cP
· <b>Solubility</b>	
· <b>water:</b>	Immiscible / difficult to mix.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	0.82 g/cm <sup>3</sup>

· **9.2 Other information**

· **Appearance:**

· **Form:** Liquid

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· **Important information on protection of health and environment, and on safety.**

- |                                |   |
|--------------------------------|---|
| · <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>              | ≤670.0 g/l  |
| · <b>VOC (EC)</b>              | ≤82.00 %  |

· **Information with regard to physical hazard classes**

- |  |                                     |
|--|-------------------------------------|
| · <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
- **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:**  
PVC  
Polystyrene
- **10.6 Hazardous decomposition products:**  
Formation of toxic gases is possible during heating or in case of fire.

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Carbon monoxide and carbon dioxide  
Hydrogen chloride (HCl)

### 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: 110-82-7 cyclohexane**

Oral	LD50	5,050 mg/kg (rat)
Dermal	LD50	2,500 mg/kg (rabbit)
Inhalative	LC50/4 h	2,593 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: 78-93-3 butanone**

Oral	LD50	2,193 mg/kg (rat)
Dermal	LD50	5,050 mg/kg (rabbit)
Inhalative	LC50/4 h	5,000 mg/L (rat)

**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	2,920 mg/kg (rabbit)
Inhalative	LC50/4 h	23.3 mg/L (rabbit)

**Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, <0.1% benzene**

Oral	LD50	5,850 mg/kg (rat)
Dermal	LD50	3,000 mg/kg (rabbit)

**CAS: 64-17-5 ethanol**

Oral	LD50	7,060 mg/kg (rat)
Dermal	LD50	2,050 mg/kg (rabbit)
Inhalative	LC50/4 h	20,000 mg/L (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Strong degreasing effect.  
Repeated exposure may cause skin dryness or cracking.
- **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.

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- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**  
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.
- **Information on likely routes of exposure** No further relevant information available.
- **Symptoms related to the physical, chemical and toxicological characteristics**  
No further relevant information available.
- **Delayed and immediate effects as well as chronic effects from short and long-term exposure**  
No further relevant information available.
- **11.2 Information on other hazards**

<b>Endocrine disrupting properties</b>
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List II
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### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**  
Very toxic to aquatic life with long lasting effects.

<b>CAS: 110-82-7 cyclohexane</b>	
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LC50/96 h	4.53 mg/L (pimephales promelas)
EC50/48 h	0.9 mg/L (daphnia magna)
EC50/72 h	3.4 mg/L (selenstrum capricornutum)

<b>CAS: 67-64-1 acetone</b>	
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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)

<b>CAS: 78-93-3 butanone</b>	
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LC0/96 h	2,993 mg/L (pimephales promelas)
LC50/48 h	>100 mg/L (leuciscus idus)
EC50/48 h	308 mg/L (daphnia magna)
EC50/96 h	2,029 mg/L (pseudokirchneriella subcapit.)
	>50 mg/L (activated sludge)

<b>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</b>	
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LC50/96 h	13.5 mg/L (oncorhynchus mykiss)
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EC50/48 h	3 mg/L (daphnia magna)
EC50/72 h	10 mg/L (algae)
<b>Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, &lt;0.1% benzene</b>	
LC50/96 h	1-10 mg/L (algae)
EC50/48 h	10-100 mg/L (daphnia magna)
<b>CAS: 64-17-5 ethanol</b>	
LC50/96 h	1,030 mg/L (algae)
LC50/48 h	>100 mg/L (leuciscus idus)
EC50/48 h	>100 mg/L (daphnia magna)

- **12.2 Persistence and degradability** Moderately / partly biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** Volatile
- **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:**

**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

IC50/72 h	10 mg/L (algae)
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- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**  
Very toxic for aquatic organisms  
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.  
Also poisonous for fish and plankton in water bodies.

### 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**

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

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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

- **14.1 UN number or ID number**

- **ADR, IMDG, IATA**

UN1133

- **14.2 UN proper shipping name**

- **ADR**

1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS

1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS

- **IMDG**

ADHESIVES, MARINE POLLUTANT

- **IATA**

ADHESIVES

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

- **ADR**



- **Class**

3 (F1) Flammable liquids.

- **Label**

3

- **IMDG**



- **Class**

3 Flammable liquids.

- **Label**

3

- **IATA**



- **Class**

3 Flammable liquids.

- **Label**

3

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· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	II
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADR):</b>	Product contains environmentally hazardous substances: cyclohexane Yes Symbol (fish and tree) Symbol (fish and tree)
· <b>14.6 Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Stowage Category</b>	Warning: Flammable liquids. 33 F-E, S-D 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> · <b>Excepted quantities (EQ)</b>	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b> · <b>Tunnel restriction code</b>	2 D/E
· <b>IMDG</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	5L 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, II, ENVIRONMENTALLY HAZARDOUS

### 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)  
"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 2020 No. 1577 The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2020  
The Endocrine Disruptor Lists I, II, III ([www.edlists.org](http://www.edlists.org))

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GB



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- **Poisons Act**

- **Regulated explosives precursors**

None of the ingredients is listed.

- **Regulated poisons**

None of the ingredients is listed.

- **Reportable explosives precursors**

CAS: 67-64-1 acetone

Listed

- **Reportable poisons**

None of the ingredients is listed.

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 57

- **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**

CAS: 67-64-1 acetone

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

CAS: 67-64-1 acetone

3

CAS: 78-93-3 butanone

3

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

CAS: 67-64-1 acetone

3

CAS: 78-93-3 butanone

3

- **National regulations:**

- **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.

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H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 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.  
 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: 27.09.2017**

• **Version number of previous version: 5**

• **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)  
 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  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 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.**