

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

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 illbruck Productie B.V.

Vlietskade 1032, 4241 WC Arkel

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

msds@tremco-illbruck.com

- **Further information obtainable from:**

tremco illbruck Ltd

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

www.tremco-illbruck.co.uk, uk.info@tremco-illbruck.com

- **1.4 Emergency telephone number:**

During office hours tel.: +44 (0) 1942251400. At all other times please contact your national poisoning centre.

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 CLP regulation.

- **Hazard pictograms**



GHS02 GHS07 GHS09

- **Signal word** Danger

- **Contains:**

cyclohexane

acetone

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

Trade name: illbruck CT456

(Contd. of page 1)

butanone

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, <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.

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 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; Skin Irrit. 2, H315; STOT SE 3, H336	30-<50%
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	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	5-<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	5-<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	5-<10%
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43-xxxx	ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319	1-<5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

GB

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

Trade name: illbruck CT456

(Contd. of page 2)

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.

4.2 Most important symptoms and effects, both acute and delayed

Vapours may cause drowsiness and dizziness.

Headache

Nausea

Irritating to eyes and skin.

Repeated exposure may cause skin dryness or cracking.

Harmful: may cause lung damage if swallowed.

Information for doctor: No further relevant information available.

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:

CO₂, 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 (CO₂)

Hydrogen chloride (HCl)

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

(Contd. on page 4)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

Trade name: illbruck CT456

(Contd. of page 3)

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.

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).

Dispose contaminated material as waste according to item 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.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

Trade name: illbruck CT456

(Contd. of page 4)

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:

110-82-7 cyclohexane

WEL	Short-term value: 1050 mg/m ³ , 300 ppm
	Long-term value: 350 mg/m ³ , 100 ppm

67-64-1 acetone

WEL	Short-term value: 3620 mg/m ³ , 1500 ppm
	Long-term value: 1210 mg/m ³ , 500 ppm

78-93-3 butanone

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

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

WEL	Long-term value: 1000 mg/m ³ , 200 ppm
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Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

OES	Long-term value: 2085 mg/m ³ , 500 ppm
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64-17-5 ethanol

WEL	Long-term value: 1920 mg/m ³ , 1000 ppm
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· DNELs

· Long term effects

110-82-7 cyclohexane

Oral	industrial	700 mg/m ³ (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 ³ (workers) (systemic effects)
	consumer	412 mg/m ³ (general public) (systemic and local effects)

67-64-1 acetone

Oral	consumer	62 mg/m ³ (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 ³ (workers) (systemic effects)
	consumer	200 mg/m ³ (general public) (systemic effects)

78-93-3 butanone

Oral	consumer	31 mg/kg/24h (general public) (systemic effects)
Dermal	industrial	1,161 mg/kg/24h (workers) (systemic effects)

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

Trade name: illbruck CT456

(Contd. of page 5)

Inhalative	consumer	412 mg/kg/24h (general public) (systemic effects)
	industrial	600 mg/m ³ (workers) (systemic effects)
	consumer	106 mg/m ³ (general public) (systemic effects)

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 ³ (workers) (systemic effects)
	consumer	608 mg/m ³ (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 ³ (workers)
	consumer	447 mg/m ³ (general public)

64-17-5 ethanol

Oral	consumer	87 mg/kg/24h (general public) (systemic effects)
Dermal	industrial	343 mg/kg/24h (workers) (systemic effects)
	consumer	206 mg/kg/24h (general public) (systemic effects)
Inhalative	industrial	950 mg/m ³ (workers) (systemic effects)
	consumer	114 mg/m ³ (general public) (systemic effects)

· Short term effects**110-82-7 cyclohexane**

Inhalative	industrial	700 mg/m ³ (workers) (systemic and local effects)
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67-64-1 acetone

Dermal	industrial	186 mg/m ³ (workers) (systemic effects)
Inhalative	industrial	2,420 mg/m ³ (workers) (local effects)

64-17-5 ethanol

Inhalative	industrial	1,900 mg/m ³ (workers) (local effects)
	consumer	950 mg/m ³ (general public) (local effects)

· PNECs**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))

67-64-1 acetone

PNEC	10.6 mg/L (fresh water)
	100 mg/L (sewage treatment plant)

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

Trade name: illbruck CT456

(Contd. of page 6)

PNEC	1.06 mg/L (salt water) 29.5 mg/kg (soil) 3.04 mg/kg (sediment (salt water)) 30.4 mg/kg (sediment (fresh water))
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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))

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:**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 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:

Use only in well-ventilated areas.
Take note of emission threshold.
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 A2/P3

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

Trade name: illbruck CT456

(Contd. of page 7)

- **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
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 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 protection:**



Tightly sealed goggles

EN 166

- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:

Liquid

Colour:

According to product specification

- **Odour:**

Like aromatic solvents

- **Initial boiling point and boiling range:** 110°C

- **Flash point:**

-7°C (Closed Cup)

- **Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

Lower:

1 Vol %

Upper:

19 Vol %

- **Density at 20°C:**

0.82 g/cm³

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

Not miscible or difficult to mix.

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

Trade name: illbruck CT456

(Contd. of page 8)

- | | |
|--------------------------------|--|
| · Viscosity: | |
| Dynamic at 23°C: | 120 - 280 cP |
| Kinematic: | >20.5 mm ² /s |
| · Solvent content: | |
| VOC (EU) | ≤670.0 g/l |
| VOC (EC) | ≤82.00 % |
| · 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 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.
Carbon monoxide and carbon dioxide
Hydrogen chloride (HCl)

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:

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)

67-64-1 acetone

Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	7,400 mg/kg (rabbit)
Inhalative	LC50/4 h	76 mg/L (rat)

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)

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

Trade name: illbruck CT456

(Contd. of page 9)

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

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

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	2,920 mg/kg (rabbit)

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.
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** 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.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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** 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.

SECTION 12: Ecological information

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

110-82-7 cyclohexane

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)

67-64-1 acetone

LC50/96 h	5,540 mg/L (oncorhynchus mykiss)
	>100 mg/L (algae)
	8,300 mg/L (Iepomis macrochirus)
EC50/48 h	8,800 mg/L (daphnia magna)

(Contd. on page 11)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

Trade name: illbruck CT456

(Contd. of page 10)

78-93-3 butanone

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)

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

LC50/96 h	1-10 mg/L (algae)
EC50/48 h	10-100 mg/L (daphnia magna)

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

LC50/96 h	13.5 mg/L (oncorhynchus mykiss)
EC50/48 h	3 mg/L (daphnia magna)
EC50/72 h	10 mg/L (algae)

64-17-5 ethanol

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

• **Ecotoxicological effects:****67-64-1 acetone**

IC50/72 h	>100 mg/L (fish)
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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.
- **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**
Disposal must be made according to official regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 12)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

Trade name: illbruck CT456

(Contd. of page 11)

- **Waste disposal key:** UK (WM3) : HP3 HP4 HP5 HP14

- **European waste catalogue**

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
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- **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**

- **ADR, IMDG, IATA**

UN1133

- **14.2 UN proper shipping name**

- **ADR**

1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS

- **IMDG**

ADHESIVES (CYCLOHEXANE, Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, <0.1% benzene), 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

(Contd. on page 13)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.09.2017

Version number 5

Revision: 27.09.2017

Trade name: illbruck CT456

(Contd. of page 12)

<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	II
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): 	Product contains environmentally hazardous substances: cyclohexane Yes Symbol (fish and tree) Symbol (fish and tree)
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Category 	Warning: Flammable liquids. 33 F-E,S-D B
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: 	
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code 	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml 2 D/E
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<ul style="list-style-type: none"> · UN "Model Regulation": 	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**
 "CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1).
 "REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments).
 COMMISSION REGULATION (EU) 2015/830 of 28 May 2015.
 HSE EH40/2005 Workplace Exposure Limits (as amended)
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 57
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57** Not applicable.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

GB

(Contd. on page 14)

Safety data sheet according to 1907/2006/EC, Article 31

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Trade name: illbruck CT456

(Contd. of page 13)

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.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- 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.
- H412 Harmful to aquatic life with long lasting effects.

· Abbreviations and acronyms:

- ADR: Accord européen sur le transport 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 (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.