

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 20.03.2018

Version number 2

Revision: 20.03.2018

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

#### · 1.1 Product identifier

· Trade name: illbruck OT008

· MSDS code: B-I-OT008

#### · 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

Sealant

Adhesives

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

##### · Manufacturer/Supplier:

tremco illbruck Produktion GmbH

Werner-Haepf-Straße 1, D - 92439 Bodenwöhr

T: +49 (0) 9434 2080, F: +49 (0) 9434 208230

msds@tremco-illbruck.com

##### · Further information obtainable from:

tremco illbruck Ltd

Coupland Road, Hindley Green, Wigan, WN2 4HT

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

Skin Irrit. 2            H315 Causes skin irritation.

Aquatic Chronic 3    H412 Harmful 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



GHS07

##### · Signal word Warning

##### · Hazard statements

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

##### · Precautionary statements

P261 Avoid breathing vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

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P280 Wear protective gloves.

- **Supplemental information:**

EUH018 In use may form flammable/explosive vapour-air mixture.

- **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:**

EC number: 920-750-0 Reg.nr.: 01-2119473851-33-xxxx	naphtha (petroleum), hydrotreated Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	10-<20%
CAS: 64742-65-0 EINECS: 265-169-7 Reg.nr.: 01-2119471299-27-xxxx	Distillates (petroleum), solvent-dewaxed heavy paraffinic Asp. Tox. 1, H304	10-<20%
EC number: 921-024-6 Reg.nr.: 01-2119475514-35-xxxx	Hydrocarbons, C6-C7 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	5-<10%
CAS: 110-54-3 EINECS: 203-777-6 Reg.nr.: 01-2119474209-33-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; 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:** Take affected persons out of danger area and lay down.

- **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

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

- **After skin contact:**

Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.

If symptoms persist consult doctor.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:** Call for a doctor immediately.

- **4.2 Most important symptoms and effects, both acute and delayed**

Irritating to eyes, respiratory system and skin.

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- Vapours may cause drowsiness and dizziness.
- **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:**  
Water spray  
Alcohol resistant foam  
Fire-extinguishing powder  
Carbon dioxide (CO<sub>2</sub>)
- **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.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation.  
Keep away from ignition sources.  
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **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.  
Do not eat, drink, smoke or sniff while working.  
Avoid contact with the eyes and skin.  
Wear suitable protective clothing and gloves.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Fumes can combine with air to form an explosive mixture.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Protect from frost.
- **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

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

#### 110-54-3 n-hexane

WEL | Long-term value: 72 mg/m<sup>3</sup>, 20 ppm

#### 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

- **Additional information:** The lists valid during the making were used as basis.

### · 8.2 Exposure controls

#### · Personal protective equipment:

#### · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Immediately remove all soiled and contaminated clothing

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

#### · Respiratory protection:

Not necessary if room is well-ventilated.

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.

Short term filter device:

Filter A2

#### · Protection of hands:



Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.8$  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

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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.

- **Eye protection:** Safety glasses

- **Body protection:**



Protective work clothing

## SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form: Pasty

Colour: According to product specification

- **Odour:** Characteristic

- **Odour threshold:** Not determined.

- **Melting point/freezing point:** Undetermined.

- **Flash point:** Not applicable.

- **Ignition temperature:** > 200 °C

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

- **Explosion limits:**

Lower: 0.6 Vol %

Upper: 8.0 Vol %

- **Vapour pressure at 20 °C:** 90 hPa

- **Density at 20 °C:** 1.44 g/cm<sup>3</sup>

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

- **Solvent content:**

Organic solvents: 19.5 %

VOC (EU) 281.2 g/l

VOC (EC) 19.53 %

- **9.2 Other information** No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

- **10.2 Chemical stability**

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

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- **10.3 Possibility of hazardous reactions** Reacts with strong acids and oxidising agents.
- **10.4 Conditions to avoid**  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Can become highly flammable in use.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## 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

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

### 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)

### 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**  
Causes skin irritation.
- **Serious eye damage/irritation** Irritating to eyes.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**  
Vapours may cause drowsiness and dizziness.  
Repeated exposure may cause skin dryness or cracking.
- **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** Based on available data, the classification criteria are not met.
- **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:**

### Hydrocarbons, C6-C7

EC50/48 h	36 mg/L (fish)
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EC50/72 h	30 mg/L (pseudokirchneriella subcapit.)
<b>110-54-3 n-hexane</b>	
LC50/24 h	4 mg/L (carassius auratus)
EC50/48 h	2.1 mg/L (daphnia magna)
<b>110-82-7 cyclohexane</b>	
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:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Harmful to aquatic organisms  
May cause long lasting harmful effects to aquatic life.  
Do not allow product to reach ground water, water course or sewage system.
- **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.

- **European waste catalogue**

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP 14	Ecotoxic

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |                                       |      |
|---------------------------------------|------|
| · <b>14.1 UN-Number</b>               |      |
| · <b>ADR, ADN, IMDG, IATA</b>         | Void |
| · <b>14.2 UN proper shipping name</b> |      |
| · <b>ADR, ADN, IMDG, IATA</b>         | Void |

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<ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· <b>ADR, ADN, IMDG, IATA</b></li> <li>· <b>Class</b> Void</li> </ul>
<ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· <b>ADR, IMDG, IATA</b> Void</li> </ul>
<ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b> No</li> </ul>
<ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b> Not applicable.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> Not applicable.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b> UNTDG MTC 33.2.1.4 = &lt;2.2mm/s</li> </ul>
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b> Void</li> </ul>

### 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)  
 Guidance on the classification and assessment of waste | Technical Guidance WM3 (1st edition 2015)  
 2001/118/EC as regards the list of wastes  
 2008/98/EC on waste
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 40
- **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.

### 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.
- H336 May cause drowsiness or dizziness.
- 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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**· 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)
- 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
- 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
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

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