

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

Printing date 20.01.2026

Version number 10 (replaces version 9)

Revision: 20.01.2026

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****· 1.1 Product identifier****· Trade name:** illbruck OS111**· MSDS code:** A-I-OS111**· 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.

Otherwise, 24h/7d it is recommended to call 111 for NHS 111 (England), NHS 24 (Scotland) and NHS Direct (Wales), or 0845 46 47 (Wales only).

**SECTION 2: Hazards identification****· 2.1 Classification of the substance or mixture****· Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 3 H226 Flammable liquid and vapour.

**· 2.2 Label elements****· Labelling according to Regulation (EC) No 1272/2008**

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

**· Hazard pictograms**

GHS02

**· Signal word** Warning**· Hazard statements**

H226 Flammable liquid and vapour.

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- **Precautionary statements**

- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P280 Wear protective gloves.
- P370+P378 In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **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: 8052-42-4<br>EINECS: 232-490-9<br>Reg.nr.: 01-2119480172-44-xxxx  | Bitumen<br>substance with a Community workplace exposure limit                                                                                                                                         | 75-<100% |
| CAS: 123-86-4<br>EINECS: 204-658-1<br>Reg.nr.: 01-2119485493-29-xxxx   | n-butyl acetate<br>Flam. Liq. 3, H226; STOT SE 3, H336, EUH066                                                                                                                                         | 10-<20%  |
| CAS: 61789-72-8<br>EINECS: 263-081-3<br>Reg.nr.: 01-2119970169-28-xxxx | Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides<br>Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411; Acute Tox. 4, H302 | 0.1-<1%  |

- **EU SVHC** see Section 15
- **GB SVHC** see Section 15
- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information:**

Take affected persons out of danger area and lay down.  
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Immediately rinse with water.

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- If skin irritation continues, consult a doctor.  
Immediately remove all soiled and contaminated clothing
- **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**  
Headache  
Dizziness  
Coughing  
Breathing difficulty  
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**  
Formation of toxic gases is possible during heating or in case of fire.  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Can form explosive gas-air mixtures.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
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.

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- **6.3 Methods and material for containment and cleaning up:**  
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**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Use only in well-ventilated areas.  
Avoid contact with the eyes and skin.  
Wear suitable protective clothing and gloves.
- **Information about fire - and explosion protection:**  
Protect against electrostatic charges.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Use explosion-proof apparatus / fittings and spark-proof tools.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Provide ventilation for receptacles.
- **Information about storage in one common storage facility:** Protect from heat and direct sunlight.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

|                                                                                  |
|----------------------------------------------------------------------------------|
| · <b>Ingredients with limit values that require monitoring at the workplace:</b> |
|----------------------------------------------------------------------------------|

|                               |
|-------------------------------|
| <b>CAS: 8052-42-4 Bitumen</b> |
|-------------------------------|

|     |                                                                                |
|-----|--------------------------------------------------------------------------------|
| WEL | Short-term value: 10 mg/m <sup>3</sup><br>Long-term value: 5 mg/m <sup>3</sup> |
|-----|--------------------------------------------------------------------------------|

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Wash hands before breaks and at the end of work.  
Do not eat, drink, smoke or sniff while working.

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- **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Not necessary if room is well-ventilated.

For further guidance,

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

- **Hand protection**



Protective gloves

- **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.

- **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/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>                         | Black                          |
| · <b>Odour:</b>                          | Characteristic                 |
| · <b>Melting point/freezing point:</b>   | Undetermined.                  |
| · <b>Flash point:</b>                    | 56 °C                          |
| · <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>               | 1.33 g/cm <sup>3</sup>         |

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- **9.2 Other information**
- **Appearance:**
- **Form:** Pasty
- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Solvent content:**
- **VOC (EU)** 157.0 g/l
- **VOC (EC)** 12.00 %
- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Flammable liquid and vapour.
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

## 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.
- **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.  
Shock/friction
- **10.5 Incompatible materials:** Reacts with acids, alkalis and oxidising agents.

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· **10.6 Hazardous decomposition products:**

Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx)

### 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: 123-86-4 n-butyl acetate**

|        |      |                        |
|--------|------|------------------------|
| Oral   | LD50 | 10,760 mg/kg (rat)     |
| Dermal | LD50 | >14,000 mg/kg (rabbit) |

· **Primary irritant effect:**

· **Skin corrosion/irritation** Slight irritation possible.

· **Serious eye damage/irritation** Slight irritation possible.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** Based on available data, the classification criteria are not met.

· **Reproductive toxicity** 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.

· **Additional toxicological information:**

· **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**

· **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

**CAS: 123-86-4 n-butyl acetate**

|           |                                    |
|-----------|------------------------------------|
| LC50/96 h | 18 mg/L (pimephales promelas)      |
| EC50/48 h | 44 mg/L (daphnia magna)            |
| EC50/72 h | 648 mg/L (desmodesmus subspicatus) |

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

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- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

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

|                                   |                                                                                        |
|-----------------------------------|----------------------------------------------------------------------------------------|
| · <b>European waste catalogue</b> |                                                                                        |
| 08 04 09*                         | waste adhesives and sealants containing organic solvents or other hazardous substances |
| HP3                               | Flammable                                                                              |

- **Uncleaned packaging:**
- **Recommendation:**  
Disposal must be made according to official regulations.  
Packaging may be reused or recycled after cleaning.  
Non contaminated packagings may be recycled.  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.  
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

### SECTION 14: Transport information

- |                                       |                |
|---------------------------------------|----------------|
| · <b>14.1 UN number or ID number</b>  |                |
| · <b>ADR, ADN, IMDG</b>               | Void           |
| · <b>IATA</b>                         | UN1123         |
| · <b>14.2 UN proper shipping name</b> |                |
| · <b>ADR, ADN, IMDG</b>               | Void           |
| · <b>IATA</b>                         | BUTYL ACETATES |

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|                                                                                   |                      |
|-----------------------------------------------------------------------------------|----------------------|
| · <b>14.3 Transport hazard class(es)</b>                                          |                      |
| · <b>ADR, ADN, IMDG</b>                                                           |                      |
| · <b>Class</b>                                                                    | Void                 |
| · <b>IATA</b>                                                                     |                      |
|  |                      |
| · <b>Class</b>                                                                    | 3 Flammable liquids. |
| · <b>Label</b>                                                                    | 3                    |
| · <b>14.4 Packing group</b>                                                       |                      |
| · <b>ADR, IMDG</b>                                                                | Void                 |
| · <b>IATA</b>                                                                     | III                  |
| · <b>14.5 Environmental hazards:</b>                                              |                      |
| · <b>Marine pollutant:</b>                                                        | No                   |
| · <b>14.6 Special precautions for user</b>                                        |                      |
| Not applicable.                                                                   |                      |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b>             |                      |
| Not applicable.                                                                   |                      |
| · <b>Transport/Additional information:</b>                                        |                      |
| · <b>ADR</b>                                                                      |                      |
| · <b>Remarks:</b>                                                                 | 2.2.3.1.5            |
| · <b>IMDG</b>                                                                     |                      |
| · <b>Remarks:</b>                                                                 | 2.3.2.5              |
| · <b>UN "Model Regulation":</b>                                                   | Void                 |

### 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)
- **Poisons Act**

#### · **Regulated explosives precursors**

None of the ingredients is listed.

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- **Regulated poisons**

None of the ingredients is listed.

- **Reportable explosives precursors**

None of the ingredients is listed.

- **Reportable poisons**

None of the ingredients is listed.

- **Directive 2012/18/EU**

- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

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

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

None of the ingredients is listed.

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

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

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

- **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**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

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H400 Very toxic to aquatic life.

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: 12.04.2023****· Version number of previous version: 9****· 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)

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. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1: Skin corrosion/irritation – Category 1

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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

Aquatic Acute 1: Hazardous to the aquatic environment - acute 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.**

GB