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

1.1 Product identifier

- Trade name: illbruck AW430
- MSDS code: W-I-AW430

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

No further relevant information available.

1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:
  tremco illbruck Ltd
  Coupland Road, Hindley Green, WIGAN, WN2 4HT
  Tel: +44 (0) 1942251400, Fax: +44 (0) 1942251410
  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

- Flam. Liq. 2 H225 Highly flammable liquid and vapour.
- Eye Irrit. 2 H319 Causes serious eye irritation.
- STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
- Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms

![Pictograms](image)

- GHS02
- GHS07
- GHS08
- GHS09

Signal word Danger

Contains:
Naphtha (petroleum), hydrodesulfurized heavy methyl isobutyl ketone

(Contd. on page 2)
44.1.2

· **Hazard statements**
  
  H225 Highly flammable liquid and vapour.
  
  H319 Causes serious eye irritation.
  
  H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
  
  H304 May be fatal if swallowed and enters airways.
  
  H411 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.
  
  P280 Wear protective gloves/protective clothing/eye protection/face protection.
  
  P243 Take precautionary measures against static discharge.
  
  P271 Use only outdoors or in a well-ventilated area.
  
  P301+P310 IF SWALLOWED: Immediately call a doctor.
  
  P331 Do NOT induce vomiting.
  
  P403+P233 Store in a well-ventilated place. Keep container tightly closed.
  
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Supplemental information:**
  
  EUH066 Repeated exposure may cause skin dryness or cracking.

· **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.

| CAS: 64-17-5 | Ethanol | Flam. Liq. 2, H225 | 30- <50% |
| EINECS: 200-578-6 | EINECS: 203-550-1 | methyl isobutyl ketone | Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335 | 30- <50% |
| Reg.nr.: 01-2119457610-43-xxxx | Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335 | 30- <50% |
| CAS: 64742-82-1 | Naphtha (petroleum), hydrodesulfurized heavy | Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411 | 20- <30% |
| EINECS: 265-185-4 | Benzy alcohol | Acute Tox. 4, H302; Acute Tox. 4, H332 | 5- <10% |
| Reg.nr.: 01-2119429630-38-xxxx | Reg.nr.: 01-2119429630-38-xxxx |

· **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.
4.2 Most important symptoms and effects, both acute and delayed
Harmful: may cause lung damage if swallowed.
Vapours have narcotic effect.
Headache
Dizziness
Nausea
Repeated exposure may cause skin dryness or cracking.

· 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
  Formation of toxic gases is possible during heating or in case of fire.
· 5.3 Advice for firefighters
· Protective equipment:
  Mouth respiratory protective device.
  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.
· 6.2 Environmental precautions: Do not allow to enter sewers/surface or ground water.
· 6.3 Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.
· 6.4 Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with the eyes and skin.

Information about fire - and explosion protection:
Highly flammable liquid and vapour.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Fumes can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities

Storage:
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Store only in unopened original receptacles.

Information about storage in one common storage facility: Protect from heat and direct sunlight.

Further information about storage conditions:
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
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:

<table>
<thead>
<tr>
<th>Substance</th>
<th>WEL Long-term value</th>
<th>WEL Short-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5 ethanol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>108-10-1 methyl isobutyl ketone</td>
<td>1920 mg/m³, 1000 ppm</td>
<td>416 mg/m³, 100 ppm</td>
</tr>
</tbody>
</table>

Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>Substance</th>
<th>BMGV 20 µmol/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-10-1 methyl isobutyl ketone</td>
<td>Medium: urine</td>
</tr>
<tr>
<td></td>
<td>Sampling time: post shift</td>
</tr>
<tr>
<td></td>
<td>Parameter: 4-methylpentan-2-one</td>
</tr>
</tbody>
</table>

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

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Do not eat, drink, smoke or sniff while working.
Trade name: illbruck AW430

Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

· **Respiratory protection:**
  In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  Filter A

· **Protection of hands:**

  ![Protective gloves]

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

  · **Material of gloves**
    Nitrile rubber, NBR
    The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

  · **Penetration time of glove material**
    The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**
  Tightly sealed goggles

· **Body protection:** Protective work clothing

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**SECTION 9: Physical and chemical properties**

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

  **General Information**

  · **Appearance:**
    - **Form:** Liquid
    - **Colour:** Colourless
    - **Odour:** Sweetish

  · **pH-value at 20 °C:** 7.5
  · **Initial boiling point and boiling range:** 78 °C

  · **Flash point:** 15 °C

  · **Ignition temperature:** 485 °C

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

  · **Density at 20 °C:** 0.79 g/cm³
Safety data sheet according to 1907/2006/EC, Article 31

Printing date 20.01.2017  Version number 4  Revision: 20.01.2017

Trade name: illbruck AW430

| · Solubility in / Miscibility with water: | Soluble. |
| · Solvent content: | VOC (EU) 100 % |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

· 10.1 Reactivity  Stable
· 10.2 Chemical stability
· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
· 10.3 Possibility of hazardous reactions  Reacts with acids, alkalis and oxidising agents.
· 10.4 Conditions to avoid
Protect from frost.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
· 10.5 Incompatible materials: No further relevant information available.
· 10.6 Hazardous decomposition products: No dangerous decomposition products known.
Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects
· Acute toxicity Based on available data, the classification criteria are not met.
· LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>108-10-1 methyl isobutyl ketone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50 2080 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal LD50 16000 mg/kg (rab)</td>
</tr>
<tr>
<td>Inhalative LC50/4 h 8.3-16.6 mg/L (rat)</td>
</tr>
</tbody>
</table>

· Primary irritant effect:
· Skin corrosion/irritation
Irritant to skin and mucous membranes.
Strong degreasing effect.
· 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:
Irritant
Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.
Vapours have narcotic effect.
Harmful: may cause lung damage if swallowed.
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.
Trade name: illbruck AW430

- **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 respiratory irritation. May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**
  May be fatal if swallowed and enters airways.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
  - **Aquatic toxicity**: No further relevant information available.
- **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**: Toxic for fish
- **Additional ecological information**:
  - **General notes**:
    Toxic for aquatic organisms
    Do not allow product to reach ground water, water course or sewage system, even in small quantities.
    Also poisonous for fish and plankton in water bodies.
- **12.5 Results of PBT and vPvB assessment**
  - **PBT**: Not applicable.
  - **vPvB**: Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
  - **Recommendation**
    Must not be disposed together with household garbage. Do not allow product to reach sewage system.
    Disposal must be made according to official regulations.
    After prior treatment product has to be landfilled or incinerated adhering to the regulations pertaining to the disposal of especially hazardous waste.
- **Waste disposal key**: UK (WM3) : HP3 HP4 HP5 HP14

<table>
<thead>
<tr>
<th>European waste catalogue</th>
<th>Other solvents and solvent mixtures</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 06 03*</td>
<td></td>
</tr>
</tbody>
</table>

- **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.
    Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
  - **Recommended cleansing agents**: Water, if necessary together with cleansing agents.
### SECTION 14: Transport information

<table>
<thead>
<tr>
<th>14.1 UN-Number</th>
<th></th>
<th>UN1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR, IMDG, IATA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 14.2 UN proper shipping name |  | 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHYL ISOBUTYL KETONE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHYL ISOBUTYL KETONE), MARINE POLLUTANT |
| ADR | | |
| IMDG | | |
| IATA | | |

| 14.3 Transport hazard class(es) |  | |
| ADR | Class 3 (F1) Flammable liquids. |
| ADR | Label 3 |
| IMDG | Class 3 Flammable liquids. |
| IMDG | Label 3 |
| IATA | Class 3 Flammable liquids. |
| IATA | Label 3 |

| 14.4 Packing group |  | II |
| ADR, IMDG, IATA | | |

| 14.5 Environmental hazards: |  | Product contains environmentally hazardous substances: Naphtha (petroleum), hydrodesulfurized heavy |
| Marine pollutant: |  | Yes |
| Special marking (ADR): |  | Symbol (fish and tree) |

| 14.6 Special precautions for user |  | Warning: Flammable liquids. |
| Danger code (Kemler): |  | 33 |
Trade name: illbruck AW430

| · EMS Number:       | F-E,S-E   |
| · Stowage Category  | B         |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |

### Transport/Additional information:
- **ADR**
- **Limited quantities (LQ)**: 1L
- **Excepted quantities (EQ)**: Code: E2
  - Maximum net quantity per inner packaging: 30 ml
  - Maximum net quantity per outer packaging: 500 ml
- **Transport category**: 2
- **Tunnel restriction code**: D/E

- **IMDG**
- **Limited quantities (LQ)**: 1L
- **Excepted quantities (EQ)**: Code: E2
  - Maximum net quantity per inner packaging: 30 ml
  - Maximum net quantity per outer packaging: 500 ml

| · UN "Model Regulation": | UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHYL ISOBUTYL KETONE), 3, II, ENVIRONMENTALLY HAZARDOUS |

### SECTION 15: Regulatory information
- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

| · National regulations: |
| · Information about limitation of use: Employment restrictions concerning juveniles must be observed. Employment restrictions concerning pregnant and lactating women must be observed. |
| · Other regulations, limitations and prohibitive regulations |
| · 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. |
| · H226 Flammable liquid and vapour. |
Trade name: illbruck AW430

<table>
<thead>
<tr>
<th>H302</th>
<th>Harmful if swallowed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

**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
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- 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 Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

* Data compared to the previous version altered.