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

1.1 Product identifier

Trade name: illbruck AW403

MSDS code: W-I-AW403

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

Industrial cleaner
Glass Cleaner

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
Tel: +44 (0) 1942251400, Fax: +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

Eye Irrit. 2 H319 Causes serious eye irritation.

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

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves / eye protection.

P264 Wash thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

(Contd. on page 2)
Trade name: illbruck AW403

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.

<table>
<thead>
<tr>
<th>CAS</th>
<th>Description</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-63-0</td>
<td>propan-2-ol</td>
<td></td>
</tr>
<tr>
<td>200-661-7</td>
<td>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336</td>
<td></td>
</tr>
<tr>
<td>111-76-2</td>
<td>2-butoxyethanol</td>
<td></td>
</tr>
<tr>
<td>203-905-0</td>
<td>Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319</td>
<td></td>
</tr>
<tr>
<td>01-2119457558-25-xxxx</td>
<td>10-&lt;20%</td>
<td></td>
</tr>
<tr>
<td>01-2119475108-36-xxxx</td>
<td>5-&lt;10%</td>
<td></td>
</tr>
</tbody>
</table>

· Regulation (EC) No 648/2004 on detergents / Labelling for contents
  · aliphatic hydrocarbons ≥5-<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

· After inhalation: Supply fresh air; consult doctor in case of complaints.
· After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
· After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Irritating to eyes, respiratory system and skin.

· 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: Wear self-contained respiratory protective device.
SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
  Ensure adequate ventilation
  Wear protective clothing.

· **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).

· **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.
  Avoid contact with the eyes and skin.

· **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.

· **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:** Protect from heat and direct sunlight.
    · **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:**
    | Ingredient | WEL | Long-term value: 999 mg/m³, 400 ppm |
    |------------|-----|--------------------------------------|
    | 67-63-0 propan-2-ol | Short-term value: 1250 mg/m³, 500 ppm |
    | 111-76-2 2-butoxyethanol | Short-term value: 246 mg/m³, 50 ppm |
    |                       | Long-term value: 123 mg/m³, 25 ppm |
    |                       | Sk, BMGV |

· **Ingredients with biological limit values:**
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>BMGV</th>
<th>240 mmol/mol creatinine</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-76-2 2-butoxyethanol</td>
<td>Medium: urine</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sampling time: post shift</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Parameter: butoxyacetic acid</td>
<td></td>
</tr>
</tbody>
</table>
Trade name: illbruck AW403

- 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.
    Avoid contact with the eyes and skin.
  - Respiratory protection: Use only in well-ventilated areas.
  - Protection of hands:
    Protective gloves
    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    - Material of gloves
      PVC gloves
      Rubber gloves
      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

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  - General Information
  - Appearance:
    Form: Liquid
    Colour: Blue
    Odour: Solvent-like
  - pH-value at 20 °C: 7.5
  - Initial boiling point and boiling range: 89 °C
  - Flash point: >65 °C
  - Explosive properties: Product does not present an explosion hazard.
Trade name: illbruck AW403

| · Density at 20 °C: | 0.98 g/cm³ |
| · Solubility in / Miscibility with water: | Soluble. |
| · 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 acids and oxidising agents.
- 10.4 Conditions to avoid
  Protect from frost.
  Keep away from heat.
- 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.
  - Primary irritant effect:
    - Skin corrosion/irritation Slight irritation possible.
    - 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:
    - Irritating to respiratory system.
    - 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: No further relevant information available.
- 12.2 Persistence and degradability Easily biodegradable
- 12.3 Bioaccumulative potential Low potential for accumulating in organisms
- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
  - General notes: Not known to be hazardous to water.
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.
- Waste disposal key: UK (WM3) : n/a

13.2 European waste catalogue
08 04 15* aqueous liquid waste containing adhesives or sealants containing organic solvents or other hazardous substances

Uncleaned packaging:
Recommendation:
Dispose of packaging according to regulations on the disposal of packagings.
Non contaminated packagings may be treated like household garbage.
Non contaminated packagings may be recycled.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number
ADR, ADN, IMDG, IATA Void

14.2 UN proper shipping name
ADR, ADN, IMDG, IATA Void

14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA Void

14.4 Packing group
ADR, IMDG, IATA Void

14.5 Environmental hazards:
Marine pollutant: No

14.6 Special precautions for user
Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable.

UN "Model Regulation": Void
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:

· 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.
  H302 Harmful if swallowed.
  H312 Harmful in contact with skin.
  H315 Causes skin irritation.
  H319 Causes serious eye irritation.
  H332 Harmful if inhaled.
  H336 May cause drowsiness or dizziness.

· 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)
  PBT: Persistent, Bioaccumulative and Toxic
  SVHC: Substances of Very High Concern
  vPvB: very Persistent and very Bioaccumulative
  Flam. Liq. 2: Flammable liquids – Category 2
  Acute Tox. 4: Acute toxicity – Category 4
  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

· * Data compared to the previous version altered.