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

1.1 Product identifier

· Trade name: illbruck GS300
· MSDS code: TK-I-GS300

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

Keep out of reach of children.

· Application of the substance / the mixture: Sealant

1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:
  Tremco CPG Netherlands B.V.
  tremco illbruck Productie B.V.
  Vlietskade 1032, 4241 WC Arkel
  T: +31 (0) 183568000, F: +31 (0) 183568100
  msds@cpg-europe.com

· Further information obtainable from:
  Tremco CPG UK Ltd
  tremco illbruck Ltd
  Coupland Road, Hindley Green, Wigan, WN2 4HT
  T: +44 (0) 1942251400, F: +44 (0) 1942251410
  www.cpg-europe.com, info.uk@cpg-europe.com

1.4 Emergency telephone number:

During office hours tel.: +44 (0) 1942251400. At all other times it is recommended to call NHS 111 (England/Wales/Scotland), your local GP/pharmacist (NI), 01 809 2166 (ROI), or otherwise to contact a doctor.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

 Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008: Void
· Hazard pictograms: Void
· Signal word: Void
· Hazard statements: Void
· Supplemental information:
  EUH208 Contains 4,5-dichloro-2-n-Octyl-4-isothiazolin-3-one. May produce an allergic reaction.
  EUH210 Safety data sheet available on request.

2.3 Other hazards

· Results of PBT and vPvB assessment
· PBT: Not applicable.

(Contd. on page 2)
SECTION 3: Composition/information on ingredients

3.2 Mixtures
- Description: Mixture of substances listed below with non-hazardous additions.

- Dangerous components:
  - CAS: 17689-77-9
  - EINECS: 241-677-4
  - Reg.nr.: 01-2119881778-15-xxxx
  - triacetoxyethylsilane
    Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302
    1-<5%
  - oligomer ethyl- and methyl acetoxy silanes
    Skin Corr. 1B, H314; Eye Dam. 1, H318
    1-<5%

- Additional information:
  For the wording of the listed hazard phrases refer to section 16.
  While curing the following substances are formed and released by a reaction with atmospheric humidity:
  Ethanoic acid

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.
- 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. If symptoms persist, consult a doctor.
- After swallowing:
  Do not induce vomiting; call for medical help immediately.
  Rinse out mouth and then drink plenty of water.
- Information for doctor: No further relevant information available.

4.2 Most important symptoms and effects, both acute and delayed
- Contains 4,5-dichloro-2-n-octyl-4-isothiazolin-3-one. May produce an allergic reaction.
- 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 haze
  Fire-extinguishing powder
  Alcohol resistant foam

(Contd. of page 1)
Trade name: illbruck GS300

Carbon dioxide (CO2)
Sand
- For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture Ethanoic acid
- 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.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
  Do not flush with water or aqueous cleansing agents
  Pick up mechanically.
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose of the material collected according to regulations.
- 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.
  The usual precautionary measures are to be adhered to when handling chemicals.
- Information about fire - and explosion protection:
  Keep ignition sources away - Do not smoke.
  Protect against electrostatic charges.
- 7.2 Conditions for safe storage, including any incompatibilities
  Storage:
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection
- 8.1 Control parameters
  - Additional information about design of technical facilities: No further data; see item 7.
  - Ingredients with limit values that require monitoring at the workplace:
    The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
53.0

· Additional Occupational Exposure Limit Values for possible hazards during processing:
  While curing the following substances are formed and released by a reaction with atmospheric humidity:
  acetic acid (CAS 64-19-7)

<table>
<thead>
<tr>
<th>CAS: 64-19-7 acetic acid</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL</td>
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<tr>
<td></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:
    The usual precautionary measures are to be adhered to when handling chemicals.
    Avoid contact with the eyes and skin.
    Avoid breathing vapours.
    Do not eat or drink while working.
  · Respiratory protection:
    Filter ABEK
    Use suitable respiratory protective device in case of insufficient ventilation.
    For further guidance, please refer to HSE HSG53 "Respiratory Protective Equipment at work - A Practical Guide".
  · Protection of hands:
    Protective gloves
    Material of gloves
    Nitrile rubber, NBR
    Recommended thickness of the material: ≥ 0.1 mm
  · 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.
    Recommendation:
    ≥ 1-2 hours
  · Eye protection:
    Tightly sealed goggles
  · Body protection:
    Protective work clothing

(Contd. on page 5)
### SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>· 9.1 Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>· General Information</td>
</tr>
<tr>
<td>· Appearance:</td>
</tr>
<tr>
<td>· Form: Pasty</td>
</tr>
<tr>
<td>· Colour: According to product specification</td>
</tr>
<tr>
<td>· Odour: Characteristic</td>
</tr>
<tr>
<td>· Odour threshold: Not determined.</td>
</tr>
<tr>
<td>· pH-value:</td>
</tr>
<tr>
<td>· Melting point/freezing point: Undetermined.</td>
</tr>
<tr>
<td>· Initial boiling point and boiling range: Not applicable.</td>
</tr>
<tr>
<td>· Flash point: &gt;151 °C</td>
</tr>
<tr>
<td>· Flammability (solid, gas): Not determined.</td>
</tr>
<tr>
<td>· Decomposition temperature: Not determined.</td>
</tr>
<tr>
<td>· Auto-ignition temperature: Product is not selfigniting.</td>
</tr>
<tr>
<td>· Explosive properties: Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>· Vapour pressure: Not applicable.</td>
</tr>
<tr>
<td>· Density at 20 °C: 1.02 g/cm³</td>
</tr>
<tr>
<td>· Solubility in / Miscibility with water: Insoluble.</td>
</tr>
<tr>
<td>· Viscosity:</td>
</tr>
<tr>
<td>· Dynamic at 20 °C: 800000 mPas</td>
</tr>
<tr>
<td>· Solvent content:</td>
</tr>
<tr>
<td>VOC (EC) 0.0 g/L ; 0.0%</td>
</tr>
<tr>
<td>· 9.2 Other information</td>
</tr>
<tr>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

### SECTION 10: Stability and reactivity

<table>
<thead>
<tr>
<th>· 10.1 Reactivity</th>
<th>No further relevant information available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>· 10.2 Chemical stability</td>
<td></td>
</tr>
<tr>
<td>· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.</td>
<td></td>
</tr>
<tr>
<td>· 10.3 Possibility of hazardous reactions</td>
<td>No dangerous reactions known.</td>
</tr>
<tr>
<td>· 10.4 Conditions to avoid</td>
<td>Water / moisture.</td>
</tr>
<tr>
<td>· 10.5 Incompatible materials:</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>· 10.6 Hazardous decomposition products: Ethanoic acid</td>
<td></td>
</tr>
</tbody>
</table>
Beginning at approx. 150 °C small amounts of formaldehyde are formed by an oxidative decomposition.

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:
    - Dermal LD50 >2,009 mg/kg (rabbit)

  - Primary irritant effect:
    - Skin corrosion/irritation: No irritant effect.
    - Serious eye damage/irritation: No irritating effect.

  - Respiratory or skin sensitisation:
    - Contains 4,5-dichloro-2-n-octyl-4-isothiazolin-3-one. May produce an allergic reaction.

- Additional toxicological information:
  - 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: Not easily biodegradable.
  - 12.3 Bioaccumulative potential: No further relevant information available.
  - 12.4 Mobility in soil: Insoluble.

- Additional ecological information:
  - General notes:
    - 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.
  - 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
    - Dispose of contents/container in accordance with local/regional/national/international regulations.
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
Class
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.

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)

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.

(Contd. of page 6)
Trade name: illbruck GS300

- **Relevant phrases**
  - H302 Harmful if swallowed.
  - H314 Causes severe skin burns and eye damage.
  - H318 Causes serious eye damage.

- **Department issuing SDS:**
  Prepared and verified in accordance with "REACH" Regulation (EC) No 1907/2006, Annex II, Part A, 0.2.3.

- **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
  - vPvB: very Persistent and very Bioaccumulative
  - Acute Tox. 4: Acute toxicity – Category 4
  - Skin Corr. 1B: Skin corrosion/irritation – Category 1B
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1

- *Data compared to the previous version altered.*