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

1.1 Product identifier

Trade name: illbruck GS360

MSDS code: TK-I-GS360

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 Dış Ticaret A.Ş.
Ömerli Mah. Yamaç Sok. No: 7 A-Blok Arnavutköy, Istanbul
T: +90 (0) 2126232191, F: +90 (0) 2126232190
info.tr@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 it is recommended to call NHS 111 (England/Wales/Scotland), 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-octyl-2H-isothiazol-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.
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>Dangerous components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 64742-46-7</td>
<td>Distillates (petroleum), hydrotreated middle asph. tox. 1, H304</td>
</tr>
<tr>
<td>EINECS: 265-148-2</td>
<td>Asph. tox. 1, H304</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119552497-29-xxxx</td>
<td>20–30%</td>
</tr>
<tr>
<td>CAS: 4253-34-3</td>
<td>methylsilanetriyl triacetate</td>
</tr>
<tr>
<td>EINECS: 224-221-9</td>
<td>Skin Corr. 1b, H314; Eye Dam. 1, H318; Acute Tox. 4, H302</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119962266-32-xxxx 01-2119987097-22-xxxx</td>
<td>1–5%</td>
</tr>
<tr>
<td>CAS: 17689-77-9</td>
<td>triacetoxyethylsilane</td>
</tr>
<tr>
<td>EINECS: 241-677-4</td>
<td>Skin Corr. 1b, H314; Eye Dam. 1, H318; Acute Tox. 4, H302</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119881778-15-xxxx</td>
<td>1–5%</td>
</tr>
<tr>
<td>SVHC -</td>
<td>oligomer ethyl- and methyl acetoxyethylsilanes</td>
</tr>
<tr>
<td>Additional information:</td>
<td>Skin Corr. 1b, H314; Eye Dam. 1, H318</td>
</tr>
<tr>
<td>For the wording of the listed hazard phrases refer to section 16.</td>
<td></td>
</tr>
<tr>
<td>While curing the following substances are formed and released by a reaction with atmospheric humidity: Ethanoic acid</td>
<td></td>
</tr>
</tbody>
</table>

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.

4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

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 haze
- Fire-extinguishing powder
- Alcohol resistant foam
- Carbon dioxide (CO2)
- Sand

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.
- Warm water and cleansing agent

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.

(Contd. of page 2)
SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters
- 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.
- 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>
</tr>
<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.
  Do not inhale gases / fumes / aerosols.
  Do not eat or drink while working.
- 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 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
  Butyl rubber, BR
  Recommended thickness of the material: ≥ 0.3 mm
  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.
Trade name: illbruck GS360

· 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: Pasty
    - Colour: According to product specification
  · Odour: Pungent, makes eyes water
  · Odour threshold: Not determined.
  · pH-value: Not applicable.
  · Melting point/freezing point: Undetermined.
  · Initial boiling point and boiling range: Undetermined.
  · Flash point: >151 °C
  · Flammability (solid, gas): Not determined.
  · Ignition temperature: 400 °C
  · Decomposition temperature: Not determined.
  · Auto-ignition temperature: Product is not selfigniting.
  · Explosive properties: Product does not present an explosion hazard.
  · Explosion limits:
    - Lower: Not determined.
    - Upper: Not determined.
  · Vapour pressure: Not applicable.
  · Density at 20 °C: 1.01 g/cm³
  · Relative density: Not determined.
  · Vapour density: Not applicable.
  · Evaporation rate: Not applicable.
Solubility in / Miscibility with water: Insoluble.

Partition coefficient: n-octanol/water: Not determined.

Viscosity:
- Dynamic at 20 °C: 800000 mPas
- Kinematic: Not applicable.

Solvent content:
- VOC (EU) 0.0 g/l
- VOC (EC) <0.10 %

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.

10.3 Possibility of hazardous reactions
No dangerous reactions known.

10.4 Conditions to avoid
Keep away from heat.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:
Ethanoic acid
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

11.2 Acute toxicity
Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal</td>
<td>2,009 mg/kg (rat)</td>
<td></td>
</tr>
</tbody>
</table>

CAS: 64742-46-7 Distillates (petroleum), hydrotreated middle

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>&gt;5,000 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>&gt;2,000 mg/kg (rabbit)</td>
<td></td>
</tr>
</tbody>
</table>

Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Sensitising effect by skin contact is possible by prolonged exposure.
- CMR effects (carcinogenity, 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.
Trade name: illbruck GS360

· 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:
  - CAS: 64742-46-7 Distillates (petroleum), hydrotreated middle
  - LC50/96 h >100 mg/L (fish)

· 12.2 Persistence and degradability Heavily biodegradable
· 12.3 Bioaccumulative potential No further relevant information available.
· 12.4 Mobility in soil No further relevant information available.
· 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 Must be specially treated adhering to official regulations.
  · European waste catalogue
    2008/98/EC (UK WM3) : n/a

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

SECTION 14: Transport information

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

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

· 14.3 Transport hazard class(es)
  · ADR, ADN, IMDG, IATA
  · Class Void
Trade name: illbruck GS360

- **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**
  - HSE EH40/2005 Workplace Exposure Limits (as amended)
  - 2001/118/EC as regards the list of wastes
  - 2008/98/EC on waste

- **National regulations:**
  - Additional classification according to Decree on Hazardous Materials, Annex II:
    - No further relevant information available.

- **Information about limitation of use:**
  - No further relevant information available.

- **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**
  - H302 Harmful if swallowed.
  - H304 May be fatal if swallowed and enters airways.
  - 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 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
- 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
- Asp. Tox. 1: Aspiration hazard – Category 1

* Data compared to the previous version altered.