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

· Product identifier
  · Trade name: FAST-FIX Part. A
  · Relevant identified uses of the substance or mixture and uses advised against
    No further relevant information available.
  · Application of the substance / the mixture Construction chemicals

· Details of the supplier of the safety data sheet
  · Manufacturer/Supplier: LATICRETE EUROPE Srl
    Bahnhofstraße 36, 4802 Ebensee AUSTRIA
    Contact: D.Pilz: +43 660 900 6500
    Mail: Info@laticreteaustria.com
    www.laticrete.eu
    Notruf Nummer: +49 / (0)70024112112(LER)
    For shipment to USA
    outside USA: +49 / (0)70024112112(LER); inside USA: +49 / (0)70024112112(contact ID: LER)

· Further information obtainable from: Abteilung Produktsicherheit
· Emergency telephone number: Während der normalen Öffnungszeiten: +49 / (0)700 24 11 21 12

2 Hazards identification

· Classification of the substance or mixture
· Classification according to Regulation (EC) No 1272/2008

  GHS08 health hazard
  Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  Carc. 2 H351 Suspected of causing cancer.
  STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
  Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

  GHS07
  Acute Tox. 4 H332 Harmful if inhaled.
  Skin Irrit. 2 H315 Causes skin irritation.
  Eye Irrit. 2 H319 Causes serious eye irritation.
  Skin Sens. 1 H317 May cause an allergic skin reaction.
  STOT SE 3 H335 May cause respiratory irritation.

(Contd. on page 2)
Trade name: FAST-FIX Part. A

· Label elements
· Labelling according to Regulation (EC) No 1272/2008
  The product is classified and labelled according to the CLP regulation.
· Hazard pictograms
  ![GHS07](image1)
  ![GHS08](image2)
· Signal word Danger
· Hazard-determining components of labelling:
  diphenylmethanediisocyanate, isomers and homologues
  4,4’-methylenediphenyl diisocyanate
· Hazard statements
  H332 Harmful if inhaled.
  H315 Causes skin irritation.
  H319 Causes serious eye irritation.
  H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  H317 May cause an allergic skin reaction.
  H351 Suspected of causing cancer.
  H335 May cause respiratory irritation.
  H373 May cause damage to organs through prolonged or repeated exposure.
  H304 May be fatal if swallowed and enters airways.
· Precautionary statements
  P101 If medical advice is needed, have product container or label at hand.
  P102 Keep out of reach of children.
  P103 Read label before use.
  P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
  P321 Specific treatment (see on this label).
  P331 Do NOT induce vomiting.
  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P362+P364 Take off contaminated clothing and wash it before reuse.
  P405 Store locked up.
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· Additional information:
  Contains isocyanates. May produce an allergic reaction.
· Other hazards
· Results of PBT and vPvB assessment
  · PBT: Not applicable.
  · vPvB: Not applicable.
3 Composition/information on ingredients

- **Chemical characterisation:** Mixtures
- **Description:** Mixture of substances listed below with nonhazardous additions.

### Dangerous components:

<table>
<thead>
<tr>
<th>CAS</th>
<th>Description</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>9016-87-9</td>
<td>diphenylmethanediisocyanate, isomers and homologues</td>
<td>40–70%</td>
</tr>
<tr>
<td>101-68-8</td>
<td>4,4'-methyleneidiphenyl diisocyanate</td>
<td>40–70%</td>
</tr>
<tr>
<td>64742-94-5</td>
<td>Solvent naphtha (petroleum), heavy arom.</td>
<td>1–20%</td>
</tr>
</tbody>
</table>

### Additional information:

For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**

  - **General information:**
    - Immediately remove any clothing soiled by the product.
    - Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

  - **After inhalation:**
    - Supply fresh air and to be sure call for a doctor.
    - In case of unconsciousness place patient stably in side position for transportation.

  - **After skin contact:**
    - Immediately wash with water and soap and rinse thoroughly.

  - **After eye contact:**
    - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

  - **After swallowing:**
    - If symptoms persist consult doctor.

- **Information for doctor:**

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

  - **Indication of any immediate medical attention and special treatment needed**
    - No further relevant information available.

5 Firefighting measures

- **Extinguishing media**

  - **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

- **Special hazards arising from the substance or mixture**

  - During heating or in case of fire poisonous gases are produced.
Trade name: FAST-FIX Part. A

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  Mount respiratory protective device.
- **Environmental precautions:**
  Dilute with plenty of water.
  Do not allow to enter sewers/surface or ground water.
- **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.
- **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.

7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**
    Ensure good ventilation/exhaustion at the workplace.
    Open and handle receptacle with care.
    Prevent formation of aerosols.
  - **Information about fire-and explosion protection:** Keep respiratory protective device available.
- **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:** Keep container tightly sealed.
  - **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
  - **Ingredients with limit values that require monitoring at the workplace:**

<table>
<thead>
<tr>
<th>9016-87-9 diphenylmethanediisocyanate, isomers and homologues</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WEL</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Sen; as -NCO</strong></td>
</tr>
</tbody>
</table>

(Contd. on page 5)
Trade name: FAST-FIX Part. A

101-68-8 4,4'-methylene diphenyl diisocyanate

<table>
<thead>
<tr>
<th>WEL</th>
<th>Short-term value: 0.07 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Long-term value: 0.02 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Sen: as -NCO</td>
</tr>
</tbody>
</table>

- Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>101-68-8 4,4'-methylene diphenyl diisocyanate</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMGV 1 µmol creatinine/mol</td>
</tr>
<tr>
<td>Medium: urine</td>
</tr>
<tr>
<td>Sampling time: At the end of the period of exposure</td>
</tr>
<tr>
<td>Parameter: isocyanate-derived diamine</td>
</tr>
</tbody>
</table>

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

- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Store protective clothing separately.
  - 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.
- Protection of hands:

  Protective gloves

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of 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.
Trade name: FAST-FIX Part. A

- Eye protection:

  Tightly sealed goggles

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Fluid
      - Colour: Brown
      - Odour: Petrol-like
      - Odour threshold: Not determined.
    - pH-value: Not determined.
  - Change in condition
    - Melting point/freezing point: Undetermined.
    - Initial boiling point and boiling range: 190 °C
    - Flash point: >204 °C
    - Flammability (solid, gas): Not applicable.
    - 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 at 20 °C: 0 hPa
    - Density at 20 °C: 1.24 g/cm³
    - Relative density: Not determined.
    - Vapour density: Not determined.
    - Evaporation rate: Not determined.
  - Solubility in / Miscibility with water: Fully miscible.
  - Partition coefficient: n-octanol/water: Not determined.
  - Viscosity:
    - Dynamic: Not determined.
10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
  No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**
  Harmful if inhaled.
- **Primary irritant effect:**
  - **Skin corrosion/irritation**
    Causes skin irritation.
- **Serious eye damage/irritation**
  Causes serious eye irritation.
- **Respiratory or skin sensitisation**
  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  May cause an allergic skin reaction.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  - **Carc. 2**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity**
  Suspected of causing cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
  May cause respiratory irritation.
- **STOT-repeated exposure**
  May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard**
  May be fatal if swallowed and enters airways.
12 Ecological information

- **Toxicity**
- **Aquatic toxicity**: No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems**:
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information**:
  - **General notes**:
    Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
    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.

- **Results of PBT and vPvB assessment**
  - **PBT**: Not applicable.
  - **vPvB**: Not applicable.
  - **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
  Must not be disposed together with household garbage. Do not allow product to reach sewage system.

<table>
<thead>
<tr>
<th>European waste catalogue</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP 4 Irritant - skin irritation and eye damage</td>
</tr>
<tr>
<td>HP 5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity</td>
</tr>
<tr>
<td>HP 7 Carcinogenic</td>
</tr>
<tr>
<td>HP 13 Sensitising</td>
</tr>
</tbody>
</table>

- **Uncleaned packaging**:
  - **Recommendation**: Disposal must be made according to official regulations.
  - **Recommended cleansing agents**: Water, if necessary together with cleansing agents.

14 Transport information

- **UN-Number**
- **ADR, IMDG, IATA** UN2810

<table>
<thead>
<tr>
<th>UN proper shipping name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR 2810 TOXIC LIQUID, ORGANIC, N.O.S. (4,4'-methylene diphenyl diisocyanate, diphenylmethanediisocyanate, isomers and homologues), ENVIRONMENTALLY HAZARDOUS TOXIC LIQUID, ORGANIC, N.O.S. (4,4'-methylene diphenyl diisocyanate,</td>
</tr>
<tr>
<td>IMDG, IATA</td>
</tr>
</tbody>
</table>
### Safety data sheet

**according to 1907/2006/EC, Article 31**

**Trade name:** FAST-FIX Part. A

---

<table>
<thead>
<tr>
<th>·</th>
<th>diphenylmethanediisocyanate, isomers and homologues</th>
</tr>
</thead>
</table>

### Transport hazard class(es)

- **ADR, IMDG, IATA**

<table>
<thead>
<tr>
<th>·</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>·</td>
<td>6.1 Toxic substances.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>·</th>
<th>Label</th>
</tr>
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<tbody>
<tr>
<td>·</td>
<td>6.1</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>·</th>
<th>Packing group</th>
</tr>
</thead>
<tbody>
<tr>
<td>·</td>
<td>ADR, IMDG, IATA</td>
</tr>
<tr>
<td>·</td>
<td>III</td>
</tr>
</tbody>
</table>

### Environmental hazards:

- **Not applicable.**

### Special precautions for user

- **Warning:** Toxic substances.

<table>
<thead>
<tr>
<th>·</th>
<th>Danger code (Kemler):</th>
</tr>
</thead>
<tbody>
<tr>
<td>·</td>
<td>60</td>
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<table>
<thead>
<tr>
<th>·</th>
<th>EMS Number:</th>
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</thead>
<tbody>
<tr>
<td>·</td>
<td>F-A, S-A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>·</th>
<th>Stowage Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>·</td>
<td>A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>·</th>
<th>Stowage Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>·</td>
<td>SW2 Clear of living quarters.</td>
</tr>
</tbody>
</table>

### Transport in bulk according to Annex II of Marpol and the IBC Code

- **Not applicable.**

### Transport/Additional information:

<table>
<thead>
<tr>
<th>·</th>
<th>ADR</th>
</tr>
</thead>
<tbody>
<tr>
<td>·</td>
<td>Limited quantities (LQ): 5L</td>
</tr>
<tr>
<td>·</td>
<td>Exempted quantities (EQ): Code: E1</td>
</tr>
</tbody>
</table>

| · | Maximum net quantity per inner packaging: 30 ml |
| · | Maximum net quantity per outer packaging: 1000 ml |

<table>
<thead>
<tr>
<th>·</th>
<th>Transport category</th>
</tr>
</thead>
<tbody>
<tr>
<td>·</td>
<td>2</td>
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</table>

<table>
<thead>
<tr>
<th>·</th>
<th>Tunnel restriction code</th>
</tr>
</thead>
<tbody>
<tr>
<td>·</td>
<td>E</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>·</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>·</td>
<td>Limited quantities (LQ): 5L</td>
</tr>
<tr>
<td>·</td>
<td>Exempted quantities (EQ): Code: E1</td>
</tr>
</tbody>
</table>

| · | Maximum net quantity per inner packaging: 30 ml |
| · | Maximum net quantity per outer packaging: 1000 ml |

<table>
<thead>
<tr>
<th>·</th>
<th>UN &quot;Model Regulation&quot;:</th>
</tr>
</thead>
<tbody>
<tr>
<td>·</td>
<td>UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (4,4'-METHYLENEDI-PHENYL DIISOCYANATE, DIPHENYL METHANEDIISOCYANATE, ISOMERES AND HOMOLOGUES), 6.1, III, ENVIRONMENTALLY HAZARDOUS</td>
</tr>
</tbody>
</table>

(Contd. on page 10)
15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I None of the ingredients is listed.
  - REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 56a
  - Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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
  H304 May be fatal if swallowed and enters airways.
  H315 Causes skin irritation.
  H317 May cause an allergic skin reaction.
  H319 Causes serious eye irritation.
  H332 Harmful if inhaled.
  H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  H335 May cause respiratory irritation.
  H351 Suspected of causing cancer.
  H373 May cause damage to organs through prolonged or repeated exposure.

- Department issuing SDS: Abteilung Umweltschutz
- Contact: Doris Pilz-

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)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- 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
- Resp. Sens. 1: Respiratory sensitisation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- Carc. 2: Carcinogenicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1