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

· Product identifier
  · Trade name: SPECRTALOCK 2000 IG 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
    Muta. 1B H340 May cause genetic defects.
    Carc. 1B H350 May cause cancer.
    STOT RE 2 H373 May cause damage to the central nervous system through prolonged or repeated exposure.

    GHS05 corrosion
    Skin Corr. 1B H314 Causes severe skin burns and eye damage.
    Eye Dam. 1 H318 Causes serious eye damage.

    GHS09 environment
    Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

(Contd. on page 2)
Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.02.2019
Revision: 26.02.2019

Trade name: SPECRTALOCK 2000 IG Part A

48.1.8

GHS07

Skin Sens. 1  H317 May cause an allergic skin reaction.
STOT SE 3  H335 May cause respiratory irritation.

· Label elements
  · Labeling according to Regulation (EC) No 1272/2008
  The product is classified and labelled according to the CLP regulation.
  · Hazard pictograms

GHS05  GHS07  GHS08  GHS09

· Signal word Danger

· Hazard-determining components of labelling:
  Tall Oil Fatty Acid Reaction Prod. with Tetrathylene pentamine
  3,6,9-triazaundecamethylenediamine
  Solvent naphtha (petroleum), light arom.
  2-piperazin-1-ylethylamine
  3-aminomethyl-3,5,5-trimethylcyclohexylamine

· Hazard statements
  H314 Causes severe skin burns and eye damage.
  H317 May cause an allergic skin reaction.
  H340 May cause genetic defects.
  H350 May cause cancer.
  H335 May cause respiratory irritation.
  H373 May cause damage to the central nervous system through prolonged or repeated exposure.
  H411 Toxic to aquatic life with long lasting effects.

· 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.
  P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P310 Immediately call a POISON CENTER/doctor.
  P321 Specific treatment (see on this label).
  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.

(Contd. on page 3)
3 Composition/information on ingredients

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

<table>
<thead>
<tr>
<th>CAS</th>
<th>Name</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>68953-36-6</td>
<td>Tall Oil Fatty Acid Reaction Prod. with Tetraethylen pentamine</td>
<td>70–80%</td>
</tr>
<tr>
<td></td>
<td>▼ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335</td>
<td></td>
</tr>
<tr>
<td>112-57-2</td>
<td>3,6,9-triazaundecamethylenediamine</td>
<td>5–15%</td>
</tr>
<tr>
<td>EINECS: 203-986-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>140-31-8</td>
<td>2-piperazin-1-ylethylamine</td>
<td>0–10%</td>
</tr>
<tr>
<td>EINECS: 205-411-0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100-51-6</td>
<td>Benzyl alcohol</td>
<td>1–5%</td>
</tr>
<tr>
<td>EINECS: 202-859-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2855-13-2</td>
<td>3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td>1–5%</td>
</tr>
<tr>
<td>EINECS: 220-666-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64742-95-6</td>
<td>Solvent naphtha (petroleum), light arom.</td>
<td>0.1–1%</td>
</tr>
<tr>
<td>EINECS: 265-199-0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8052-41-3</td>
<td>Stoddard solvent</td>
<td>0.1–1%</td>
</tr>
<tr>
<td>EINECS: 232-489-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>84852-15-3</td>
<td>4-nonylphenol, branched</td>
<td>0.01–1%</td>
</tr>
<tr>
<td>EINECS: 284-325-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- SVHC

<table>
<thead>
<tr>
<th>CAS</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>84852-15-3</td>
<td>4-nonylphenol, branched</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.

(Contd. on page 4)
· 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. Then consult a doctor.
· After swallowing:  Drink plenty of water and provide fresh air. Call for a doctor immediately.
· 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.
· Advice for firefighters
· Protective equipment:  Mouth respiratory protective device.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures
  Mount respiratory protective device. 
  Wear protective equipment. Keep unprotected persons away.
· Environmental precautions:  
  Do not allow product to reach sewage system or any water course. 
  Inform respective authorities in case of seepage into water course or sewage system. 
  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). 
  Use neutralising agent. 
  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:**
  
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **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.
    
    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.
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- 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]

### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form:</strong></td>
<td>Viscous</td>
</tr>
<tr>
<td><strong>Colour:</strong></td>
<td>Amber coloured</td>
</tr>
<tr>
<td><strong>Odour:</strong></td>
<td>Ammonia-like</td>
</tr>
<tr>
<td><strong>Odour threshold:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>pH-value:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point:</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>215 °C</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
<td>&gt;104 °C</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas):</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Ignition temperature:</strong></td>
<td>315 °C</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature:</strong></td>
<td>Product is not selfigniting</td>
</tr>
<tr>
<td><strong>Explosive properties:</strong></td>
<td>Product does not present an explosion hazard</td>
</tr>
<tr>
<td><strong>Explosion limits:</strong></td>
<td></td>
</tr>
<tr>
<td>Lower:</td>
<td>2.1 Vol %</td>
</tr>
<tr>
<td>Upper:</td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Vapour pressure at 20 °C:</strong></td>
<td>0.1 hPa</td>
</tr>
<tr>
<td><strong>Density at 20 °C:</strong></td>
<td>0.97 g/cm³</td>
</tr>
<tr>
<td><strong>Relative density:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Vapour density:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Evaporation rate:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with water:</strong></td>
<td>Not miscible or difficult to mix</td>
</tr>
</tbody>
</table>

(Contd. on page 7)
Safety data sheet 
according to 1907/2006/EC, Article 31

Trade name: SPECRTALOCK 2000 IG Part A

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

• Viscosity:
  Dynamic: Not determined.
  Kinematic: Not determined.

• Solvent content:
  Organic solvents: 1.1–6 %
  VOC (EC) 1.1–6 %

• Solids content: 0.0 %

• Other information
  No further relevant information available.

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

  • LD/LC50 values relevant for classification:

    112-57-2 3,6,9-triazaundecamethylene diamine
    Dermal LD50 660 mg/kg (rabbit)

    140-31-8 2-piperazin-1-ylethylamine
    Dermal LD50 880 mg/kg (rabbit)

    100-51-6 Benzyl alcohol
    Dermal LD50 2,000 mg/kg (rabbit)

    64742-95-6 Solvent naphtha (petroleum), light arom.
    Dermal LD50 >3,400 mg/kg (rabbit)
    Inhalative LC50/4 h >10.2 mg/l (rat)

• Primary irritant effect:

  • Skin corrosion/irritation
    Causes severe skin burns and eye damage.

  • Serious eye damage/irritation
    Causes serious eye damage.

(Contd. on page 8)
Trade name: SPECRTALOCK 2000 IG Part A

- **Respiratory or skin sensitisation**
  May cause an allergic skin reaction.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  Muta. 1B, Carc. 1B
- **Germ cell mutagenicity**
  May cause genetic defects.
- **Carcinogenicity**
  May cause 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 the central nervous system through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### 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.
- **Ecotoxicological effects:**
  - **Remark:** Toxic for fish
- **Additional ecological information:**
  - **General notes:**
    Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
    Do not allow product to reach ground water, water course or sewage system, even in small quantities.
    Must not reach sewage water or drainage ditch undiluted or unneutralised.
    Danger to drinking water if even extremely small quantities leak into the ground.
    Also poisonous for fish and plankton in water bodies.
    Toxic for aquatic organisms
- **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 5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity</td>
</tr>
<tr>
<td>HP 6 Acute Toxicity</td>
</tr>
</tbody>
</table>
Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: SPECRTALOCK 2000 IG Part A

<table>
<thead>
<tr>
<th>HP 7</th>
<th>Carcinogenic</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP 8</td>
<td>Corrosive</td>
</tr>
<tr>
<td>HP 11</td>
<td>Mutagenic</td>
</tr>
<tr>
<td>HP 13</td>
<td>Sensitising</td>
</tr>
<tr>
<td>HP 14</td>
<td>Ecotoxic</td>
</tr>
</tbody>
</table>

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

### 14 Transport information

- **UN-Number**
  - UN2735

- **UN proper shipping name**
  - **ADR**
    - 2735 AMINES, LIQUID, CORROSIVE, N.O.S., ENVIRONMENTALLY HAZARDOUS
  - **IMDG, IATA**
    - AMINES, LIQUID, CORROSIVE, N.O.S.

- **Transport hazard class(es)**
  - **ADR**
    - Class 8 Corrosive substances.

- **IMDG, IATA**
  - Class 8 Corrosive substances.

- **Label**
  - 8

- **Packing group**
  - **ADR, IMDG, IATA**
    - III

- **Environmental hazards:**
  - **Special marking (ADR):** Symbol (fish and tree)

- **Special precautions for user**
  - Warning: Corrosive substances.

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

(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.
  - Seveso category E2 Hazardous to the Aquatic Environment
  - Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
  - Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
  - REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 28, 29

- Regulation (EU) No 649/2012
  - 84852-15-3 4-nonylphenol, branched

- National regulations:
  - Information about limitation of use:
    Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

- Other regulations, limitations and prohibitive regulations
  - Substances of very high concern (SVHC) according to REACH, Article 57
    - 84852-15-3 4-nonylphenol, branched
  - 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
  H226 Flammable liquid and vapour.
  H302 Harmful if swallowed.
  H304 May be fatal if swallowed and enters airways.
  H312 Harmful in contact with skin.
  H314 Causes severe skin burns and eye damage.
  H315 Causes skin irritation.
  H317 May cause an allergic skin reaction.
  H332 Harmful if inhaled.
  H335 May cause respiratory irritation.
  H340 May cause genetic defects.
  H350 May cause cancer.
  H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
  H372 Causes damage to the central nervous system through prolonged or repeated exposure.
Trade name: SPECRTALOCK 2000 IG Part A

H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

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)
- 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. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- Muta. 1B: Germ cell mutagenicity – Category 1B
- Carc. 1B: Carcinogenicity – Category 1B
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3