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

- **Product identifier**
  - Trade name: PERMACOLOR SELECT WHITE BASE

- **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@laticreteausia.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**
    - GHS05 corrosion
    - Eye Dam. 1  H318 Causes serious eye damage.
    - GHS07
    - Skin Sens. 1  H317  May cause an allergic skin reaction.

- **Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**
    - The product is classified and labelled according to the CLP regulation.

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

Trade name: PERMACOLOR SELECT WHITE BASE

· Hazard pictograms

GHS05  GHS07

· Signal word Danger

· Hazard-determining components of labelling:
  Cement, portland, chemicals

· Hazard statements
  H318 Causes serious eye damage.
  H317 May cause an allergic skin reaction.

· 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.
  P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
  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.
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:
  9 % of the mixture consists of component(s) of unknown toxicity.

· 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:

| CAS: 65997-15-1 | Cement, portland, chemicals |
| EINECS: 266-043-4 |  |
| CAS: 554-13-2 | lithium carbonate |
| EINECS: 209-062-5 |  |

- Eye Dam. 1, H318;
- Skin Irrit. 2, H315; Skin Sens. 1B, H317;
- STOT SE 3, H335
- Acute Tox. 3, H331;
- Acute Tox. 4, H302; Eye Irrit. 2, H319

· 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.
- 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: 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: No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  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
  Thorough dedusting.
  Ensure good ventilation/exhaustion at the workplace.
- Information about fire - and explosion protection: No special measures required.
Trade name: PERMACOLOR SELECT WHITE BASE

- **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>CAS Number</th>
<th>Description</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>65997-15-1</td>
<td>Cement, portland, chemicals</td>
<td>WEL: Long-term value: $10^* \times 4^{**} \text{mg/m}^3$</td>
</tr>
</tbody>
</table>

  *inhalable dust  **respirable dust

- **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.
    - 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.
  - **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.

(Contd. on page 5)
Trade name: PERMACOLOR SELECT WHITE BASE

- **Eye protection:**
  
  Tightly sealed goggles

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

- **Appearance:**
  - Form: Powder
  - Colour: White
- **Odour:** Product specific
- **Odour threshold:** Not determined.
- **pH-value:** Not applicable.

#### Change in condition

- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** 2,230 °C

#### Flammability (solid, gas):

- Not applicable.

#### 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 1732 °C:

- 13.5 hPa

#### Density:

- Not determined.

#### Relative density:

- Not determined.

#### Vapour density:

- Not applicable.

#### Evaporation rate:

- Not applicable.

#### Solubility in / Miscibility with water:

- Not miscible or difficult to mix. Insoluble.

#### Partition coefficient: n-octanol/water:

- Not determined.

#### Viscosity:

- **Dynamic:** Not applicable.
- **Kinematic:** Not applicable.
Solvent content:
- VOC (EC) 0.00 %
- Solids content: 100.0 %
- 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:
  554-13-2 lithium carbonate
<table>
<thead>
<tr>
<th>Type</th>
<th>LD50</th>
<th>LC50/4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal</td>
<td>&gt;2,000 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>Inhalative</td>
<td>&gt;0.8 mg/l (rat)</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 Causes serious eye damage.
- Respiratory or skin sensitisation
  May cause an allergic skin reaction.
- 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.
12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:**
    - 554-13-2 lithium carbonate
    - LC50: 30.3 mg/l (Oncorhynchus mykiss)
    - EC50 / 24h: 33.2 mg/l (daphnia)
  - **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 1 (German Regulation) (Self-assessment): slightly hazardous for water
      - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
      - Must not reach sewage water or drainage ditch undiluted or unneutralised.
  - **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.
  - **Uncleaned packaging:**
    - **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
  - **ADR, ADN, IMDG, IATA** not regulated
- **UN proper shipping name**
  - **ADR, ADN, IMDG, IATA** not regulated
- **Transport hazard class(es)**
  - **ADR, ADN, IMDG, IATA** not regulated
- **Packing group**
  - **ADR, IMDG, IATA** not regulated
Environmental hazards: Not applicable.

Special precautions for user: Not applicable.

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

UN "Model Regulation": not regulated

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.

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
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.

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
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1

(Contd. on page 9)
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3