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

- 1.1 Product identifier
  - Trade name: KERABUILD ECO ULTRACEM

- 1.2 Relevant identified uses of the substance or mixture and uses advised against
  No further relevant information available.

- Application of the preparation:
  Fast-cement-mortar
  Hydrophobing agent/ water repellent

- 1.3 Details of the supplier of the safety data sheet
  - Manufacturer/Supplier:
    KERAKOLL Pty Ltd.
    88 Sutton Street, North Melbourne VIC 3051
    Tel. +61 3 9448 8588
    sales@kerakoll.com.au

  - E-mail address of the competent person responsible for the SDS: safety@kerakoll.com

  - Informing department: Product safety department

- 1.4 Emergency telephone number:
  +613 9448 8588 (Kerakoll AU)

SECTION 2: Hazards identification

- 2.1 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 Irrit. 2 H315 Causes skin irritation.
  Skin Sens. 1 H317 May cause an allergic skin reaction.
  STOT SE 3 H335 May cause respiratory irritation.

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

  - Hazard pictograms

    GHS05  GHS07

  - Signal word Danger

  - Hazard-determining components of labelling:
    Portland Cement
    (Contain reducing agents: Cr VI < 0,0002%)
    calcium dihydroxide
    calcium oxide

(Contd. on page 2)
Trade name: **KERABUILD ECO ULTRACEM**

44.3.4 - **Hazard statements**
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H317 May cause an allergic skin reaction.
- H335 May cause respiratory irritation.

- **Precautionary statements**
  - P260 Do not breathe dust.
  - P280 Wear protective gloves / eye protection.
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**
  - EUH208 Contains Portland Cement (Contain reducing agents: Cr VI < 0,0002%). May produce an allergic reaction.
  - 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 consisting of the following components.

- **Dangerous components:**
  - **Portland Cement** (Contain reducing agents: Cr VI < 0,0002%)
    - CAS: 65997-15-1
    - EINECS: 266-043-4
    - Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335
    - 75-100%
  - **calcium dihydroxide**
    - CAS: 1305-62-0
    - EINECS: 215-137-3
    - Reg.nr.: 01-2119475151-45-XXXX
    - Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335
    - 2.5-10%
  - **calcium oxide**
    - CAS: 1305-78-8
    - EINECS: 215-138-9
    - Reg.nr.: 01-2119475325-36-XXXX
    - Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335
    - 1-2.5%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

*SECTION 4: First aid measures*

- **4.1 Description of first aid measures**
- **After inhalation** In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** 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.

- **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**
  - CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

(Contd. on page 3)
5.2 Special hazards arising from the substance or mixture
Formation of poisonous gases during heating or in fires.
5.3 Advice for firefighters
- Protective equipment: Put on breathing apparatus.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  Ensure adequate ventilation
  Put on breathing apparatus.
  Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Do not allow to enter drainage system, surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
  Use neutralising agent.
  Dispose of contaminated material as waste according to item 13.
  Ensure adequate ventilation.
- 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 information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  Use only in well ventilated areas.
  Wear breathing protection when decanting larger quantities without extractor facilities.
  Any deposit of dust which cannot be avoided must be removed regularly.
  Thorough dedusting.
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of dust.
- 7.2 Conditions for safe storage, including any incompatibilities
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- 8.1 Control parameters
  - Components with limit values that require monitoring at the workplace:
    65997-15-1 Portland Cement
    (Contain reducing agents: Cr VI < 0,0002%)
    WEL Long-term value: 10* 4** mg/m³
    *inhalable dust **respirable dust
Trade name: **KERABUILD ECO ULTRACEM**

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>WEL Long-term value:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1305-62-0</td>
<td>calcium dihydroxide</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>1305-78-8</td>
<td>calcium oxide</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>21645-51-2</td>
<td>aluminium hydroxide</td>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
  - Avoid close or long term contact with the skin.
  - Apply water resistant clothing before beginning work.
  - Keep away from foodstuffs, beverages and food.
  - Take off immediately all contaminated clothing
  - Wash hands during breaks and at the end of the work.
  - Avoid contact with the skin.
  - Avoid contact with the eyes and skin.

- **Breathing equipment:**
  - Filter A/P2.
  - Breathing protection recommended.
  - Not necessary if room is well-ventilated.

- **Protection of hands:**
  - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - Protective gloves.
  - Impervious gloves

- **Material of gloves**
  - Rubber gloves
  - PVC 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.
  - PVC or PE gloves
  - **Penetration time of glove material**
    - The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**
  - Tightly sealed safety glasses.

- **Body protection:**
  - Light weight protective clothing

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**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**
- **General Information**
  - **Appearance:**
    - Form: Powder
    - Colour: Grey
  - **Odour:** Odourless
  - **Odour threshold:** Not determined.
- **pH-value at 20 °C:** 11
- **Change in condition**
  - Melting point/freezing point: Not determined
  - Initial boiling point and boiling range: Not determined

(Contd. on page 5)
Trade name: **KERABUILD ECO ULTRACEM**

- **Flash point:** Not applicable
- **Inflammability (solid, gaseous):** Not determined.
- **Ignition temperature:**
  - Decomposition temperature: Not determined.
- **Self-inflammability:** Product is not self-igniting.
- **Explosive properties:** Product is not explosive.
- **Critical values for explosion:**
  - Lower: Not determined.
  - Upper: Not determined.
- **Vapour pressure:** Not applicable.
- **Density at 20 °C**
  - Relative density: Not determined.
- **Vapour density**
- **Evaporation rate**
- **Solubility in / Miscibility with Water:** Soluble
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
  - dynamic: Not applicable.
  - kinematic: Not applicable.
- **Organic solvents:** 0.0%

**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** Reacts with water
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **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.

(Contd. on page 6)
Trade name: **KERABUILD ECO ULTRACEM**

- **STOT-single exposure**
  May cause respiratory irritation.
- **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** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **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 bodies or sewage system.
  Must not reach sewage water or drainage ditch undiluted or unneutralised.
- **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 under adherence to official regulations.
  Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key number**: 16 03 03 - inorganic wastes containing dangerous substances
- **Uncleaned packagings**:
  **Recommendation**: Disposal must be made according to official regulations.
  **Recommended cleaning agent**: Water, if necessary with cleaning agent.

**SECTION 14: Transport information**

- **14.1 UN-Number**
  The product is not dangerous according to ADR, ADN, IMDG, IATA.
  **Void**
- **14.2 UN proper shipping name**
  **Void**
- **14.3 Transport hazard class(es)**
  **Void**
- **14.4 Packing group**
  **Void**
- **14.5 Environmental hazards:**
  - **Marine pollutant**: No
- **14.6 Special precautions for user** Not applicable.

(Contd. on page 7)
44.3.4 - 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
  - National regulations
    The product is subject to classification in accordance with the prevailing version of the regulations on hazardous materials.
  - Additional classification according to Decree on Hazardous Materials, Annex II:
  - Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
  - Other regulations, limitations and prohibitive regulations
    Directive 2003/53/EC. For the maintenance of the reducing agent activity, see condition and conservation time indicated on the pack.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

* SECTION 16: Other information

- Relevant phrases
  H315 Causes skin irritation.
  H317 May cause an allergic skin reaction.
  H318 Causes serious eye damage.
  H335 May cause respiratory irritation.

- Department issuing data specification sheet: SCP
- Contact: Dr. B. Brina c/o Kerakoll S.p.A. tel. +39-0536-816511 fax +39-0536-816581
- Others regulations
  The safety data sheet has been drawn up in accordance with European directives 1999/45/EC, 2001/58/EC, 2001/59/EC and 2001/60/EC.

- Abbreviations and acronyms:
  RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  ICAO: International Civil Aviation Organisation
  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)
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  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
  STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- * Data compared to the previous version altered.