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

- **Product identifier**
- **Trade name:** PROBAU Flexfuge Naturstein
- **Article number:** SDB-Nr.: 27185

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

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**
    quick-mix Gruppe GmbH & Co. KG
    Mühleneschweg 6
    D-49090 Osnabrück
  - **Further information obtainable from:**
    - Abteilung: Technische Beratung
    - Telefon: +49 (0)541 601-601
    - EMail: info@quick-mix.de
  - **Emergency telephone number:**
    Giftinformationszentrum Nord (GIZ Nord) Universität Göttingen,
    Tel.: (0551) 19240

2 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
    - Xi; Irritant
    - R37/38-41: Irritating to respiratory system and skin. Risk of serious damage to eyes.
  - **Classification system:**
    The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**
    The product is classified and labelled according to the CLP regulation.
  - **Hazard pictograms**
    ![GHS05](image)
    ![GHS07](image)
  - **Signal word** Danger
  - **Hazard-determining components of labelling:**
    Cement, portland, chemicals
    calcium dihydroxide
  - **Hazard statements**
    H315 Causes skin irritation.
    H318 Causes serious eye damage.
    H335 May cause respiratory irritation.
  - **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.
    - **P271** Use only outdoors or in a well-ventilated area.
    - **P280** Wear protective gloves/protective clothing/eye protection/face protection.
    - **P302+P352** IF ON SKIN: Wash with plenty of soap and water.
    - **P304+P340** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
    - **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 or doctor/physician.
    - **P332+P313** If skin irritation occurs: Get medical advice/attention.
    - **P362** Take off contaminated clothing and wash before reuse.
    - **P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**
  The hazard designation “irritant” does not apply to the dry powder; it applies only after the addition of moisture or water (alkaline reaction).
  The preparation is low chromate (in accordance with TRGS 613/ Germany). For the chromate reduction to remain effective, the preparation must be stored properly and not be used after the expiration date (see Section 7.2).

(Contd. on page 2)
Trade name: PROBAU Flexfluge Naturstein

- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Dry-mix mortar made of mineral binders and aggregates.
- Dangerous components:
  - CAS: 65997-15-1 Cement, portland, chemicals
    EINECS: 266-043-4
    Xi R37/38-41
    Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335
    25-50%
  - CAS: 1305-62-0 calcium dihydroxide
    EINECS: 215-137-3
    Xi R37/38-41
    Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335
    2.5-10%
- Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- Description of first aid measures
  - After inhalation: In case of unconsciousness place patient stably in side position for transportation.
  - After skin contact: Immediately wash with water and soap and rinse thoroughly.
    If skin irritation continues, consult a doctor.
  - After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing: Rinse out mouth and then drink plenty of water.
  - Information for doctor: If swallowed seek medical advice immediately and show the doctor packing or label.
  - 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: Product does not burn, fire-extinguishing activities according to surrounding.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters: No special measures required.
  - Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  - Avoid formation of dust.
  - Ensure adequate ventilation
  - To avoid skin and eye contact.
  - Do not breathe dust
- Environmental precautions:
  - Do not allow product to reach sewage system or any water course.
  - Methods and material for containment and cleaning up: Pick up mechanically.
- 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
    Prevent formation of dust.
    To avoid skin and eyes contact.
- Information about fire - and explosion protection: No special measures required.
Trade name: PROBAU Flexfuge Naturstein

- Conditions for safe storage, including any incompatibilities
- Storage:
  • Requirements to be met by storerooms and receptacles:
    Store only in unopened original receptacles.
    Keep container tightly closed.
  • Information about storage in one common storage facility: Do not store together with acids.
- Further information about storage conditions:
  Always observe the manufacturer's instructions regarding storage conditions and shelf-life. If stored incorrectly (e.g. in moist conditions) or used after the expiration date, any chromate-reducing components present may lose their effectiveness, in which case sensitisation cannot be ruled out if the material comes into contact with the skin.
- Storage class: VCI storage class: 13 · non-combustible solids.
- 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:
    65997-15-1 Cement, portland, chemicals (25-50%)
    WEL Long-term value: 10* 4** mg/m³
    *inhalable dust **respirable dust
    1305-62-0 calcium dihydroxide (2.5-10%)
    WEL Long-term value: 5 mg/m³
- Additional information: The lists valid during the making were used as basis.

- Exposure controls
  • Personal protective equipment:
    • General protective and hygienic measures:
      Do not eat or drink while working.
      Use skin protection cream for skin protection.
      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 skin.
      Avoid contact with the eyes and skin.
      Do not eat, drink, smoke or sniff while working.
    • Respiratory protection:
      Dust Mask
      If the exposure threshold values are exceeded (which could happen when mixing, for example), wear an FFP1 (white) particle-filtering half-mask (see information sheet BGR 190).
    • Protection of hands:
      Protective gloves
      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.
      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:
      Safety glasses
      If dust is generated or if there is a danger of spray or splatter, wear tightly fitting protective goggles.
    • Body protection: Protective work clothing
9 Physical and chemical properties

· Information on basic physical and chemical properties
· General Information
· Appearance:
  Form: Like powder
  Colour: According to product specification
· Odour: Odourless
· Change in condition
  Melting point/Melting range: Undetermined.
  Boiling point/Boiling range: Undetermined.
· Flash point: Not applicable.
· Self-igniting: Product is not selfigniting.
· Danger of explosion: Product does not present an explosion hazard.
· Density: Not determined.
· Solubility in / Miscibility with water: Slightly soluble.
  Organic solvents: 0.0 %
  Water: 0.0 %
· Solids content: 100.0 %
· Other information: No further relevant information available.

10 Stability and reactivity

· Reactivity
· Chemical stability
· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
· Conditions to avoid: No further relevant information available.
· Incompatible materials: To avoid contact with acids.
· Hazardous decomposition products: No dangerous decomposition products known at correct handling and storage.

11 Toxicological information

· Information on toxicological effects
· Acute toxicity:
· Primary irritant effect:
  on the skin: Irritant to skin and mucous membranes.
  on the eye: Irritating effect.
· Sensitization: As long as the use-by date is not exceeded a sensitizing effect is not to be expectet.
· Additional toxicological information:
  The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
  Irritant

12 Ecological information

· Toxicity
· Aquatic toxicity: No further relevant information available.
· Persistence and degradability: No further relevant information available.
· 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.
· 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**
  Disposal according to official regulations.

  Must not be disposed together with household garbage. Do not allow product to reach sewage system. Remove in accordance with local official regulations.

  Material mixed with water and let harden.

- **European waste catalogue**
  17 01 01 concrete

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

14 Transport information

- **UN-Number**
  Void
- **ADR, ADN, IMDG, IATA**
  Void
- **UN proper shipping name**
  Void
- **ADR, ADN, IMDG, IATA**
  Void
- **Transport hazard class(es)**
  Void
- **ADR**
  Void
- **Class**
  Void
- **Label**
  Void
- **ADN/R Class**: Void
- **Packing group**
  Void
- **ADR, IMDG, IATA**
  Void
- **Environmental hazards**
  Void
- **Marine pollutant**: No
- **Special precautions for user**
  Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  Not applicable.

- **Transport/Additional information**:
  - **ADR**
    - Void
  - **ADN**
    - Void
  - **Item**: No hazardous material as defined by the prescriptions.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**:
- **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**
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H335 May cause respiratory irritation.
  - R37/38 Irritating to respiratory system and skin.
  - R41 Risk of serious damage to eyes.

- **Department issuing MSDS**: Abteilung F&E
- **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)
  - 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
  - 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)