Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.01.2014 *Revision: 18.12.2013*

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

· ***Product identifier***

· ***Trade name:*** **PROBAU Betonestrich**

· ***Article number:*** SDB-Nr.: 27025k

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

· ***Application of the substance / the mixture*** Mineral dry mortar, to be mixed with water.

· ***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

R41: Risk of serious damage to eyes.

· ***Label elements***

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

· ***Hazard pictograms***

GHS05

· ***Signal word*** Danger

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

· ***Hazard statements***
H315 Causes skin irritation.
H318 Causes serious eye damage.

· ***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.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
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.

· ***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).

· ***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.

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· **Dangerous components:**

CAS: 65997-15-1 Cement, portland, chemicals 10-25%
EINECS: 266-043-4 Xi R37/38-41
Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· **Description of first aid measures**
· **After skin contact:**
In case of contact with skin wash off with soap and water. Consult a doctor if skin irritation persists.
· **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.
Do not induce vomiting; call for medical help immediately.
· **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 activitys 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**
· **Protective equipment:** No special measures required.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Avoid formation of dust.
To avoid skin and eye contact.
Ensure adequate ventilation
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.

· **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 loose 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.

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· ***Control parameters***
· ***Ingredients with limit values that require monitoring at the workplace:***

65997-15-1 Cement, portland, chemicals (10-25%)
WEL Long-term value: 10* 4** mg/m³
*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
Do not inhale dust / smoke / mist.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
Be sure to clean skin thoroughly after work and before breaks.
Use skin protection cream for skin protection.
Use an oil-restoring skin cream after work.
· ***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*** Nitrile rubber, NBR
· ***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: Grey
· ***Odour:*** Odourless

· ***Change in condition***
Melting point/Melting range: not applicable
Boiling point/Boiling range: > 999 °C

· ***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.

· ***Viscosity:***
Dynamic: Not applicable.
Kinematic: Not applicable.
Organic solvents: 0.0 %

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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 sensisting 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 offical 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***
· ***ADR, ADN, IMDG, IATA*** Void
· ***UN proper shipping name***
· ***ADR, ADN, IMDG, IATA*** Void
· ***Transport hazard class(es)***

· ***ADR***
· ***Class*** Void
· ***Label*** -
· ***ADN/R Class:*** Void

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· ***Packing group***
· ***ADR, IMDG, IATA*** Void
· ***Environmental hazards:*** Not applicable.
· ***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*** -

· ***ADN***
· ***Item:*** No hazardous material as defined by the prescriptions.
· ***UN "Model Regulation":*** -

15 Regulatory information

· ***Safety, health and environmental regulations/legislation specific for the substance or mixture***

· ***National regulations:***
The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.
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· ***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)
ICAO: International Civil Aviation Organization
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)