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

1.1 Product identifier
Trade name Five Star grout
Safety data sheet no.: 44P45986

1.2 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

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Saint-Gobain Weber
Dickens House
Enterprise Way
Flitwick
Bedford.
MK45 5BY
Tel: +44(0)1525 718877
Web: www.netweber.co.uk
email:sara.kelly@netweber.co.uk

1.4 Emergency telephone number: +44(0) 8703 330070 Office hours only (08.30-17.00 UK time)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Results of in vitro-tests have shown that cement based mixtures with more than 1% of cement cause serious skin irritation and serious eye damage, therefore the classification of these mixtures regarding H315 and H318 is not based on the calculation of the ingredients or the pH in this case.

Eye Dam. 1 H318 Causes serious eye damage.

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

(Contd. on page 2)
Signal word Danger

Hazard-determining components of labelling:
cement portland, grey

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
P261 Avoid breathing dust.
P280 Wear protective gloves/protective clothing/eye protection/face 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.
P310 Immediately call a POISON CENTER/doctor.
P321 Specific treatment (see on this label).
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.
vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Description: Mixture: consisting of the following components.

Dangerous components:

<table>
<thead>
<tr>
<th>CAS: 65997-15-1</th>
<th>cement portland, grey</th>
<th>EINECS: 266-043-4</th>
</tr>
</thead>
</table>

SVHC Void

Additional information
The mixture is "low chromate" according to 2006/1907/EEC within the product shelf-life, so that the identification with R 43 (H317 + EUH203) is not applicable, when the packing was not opened in the meantime.
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information
Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact Generally the product does not irritate the skin.

After eye contact Rinse opened eye for several minutes under running water. Rinse liquid should be tempered (20-30 °C).
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, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture
No further relevant information available.

5.3 Advice for firefighters
Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Not required.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up: Pick up mechanically.

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 disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Provide suction extractors if dust is formed.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage
Requirements to be met by storerooms and receptacles:
Store only in unopened original receptacles.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.
8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Designation of material</th>
<th>%</th>
<th>Type</th>
<th>Value Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>65997-15-1</td>
<td>cement portland, grey</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEL</td>
<td>Long-term value: 10(^*) 4(^**) mg/m³</td>
<td></td>
<td>*inhalable dust **respirable dust</td>
<td></td>
</tr>
</tbody>
</table>

Additional Occupational Exposure Limit Values for possible hazards during processing:
Quartz alveolar dust (< 5 µm) : 0,15 mg/m³

Additional information:
The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before breaks and at the end of work.

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.
Eye protection: Tightly sealed goggles
Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:
Form:            Solid.
Colour:          According to product specification
Odour:           Characteristic
Odour threshold: Not determined.
pH-value:        Not applicable.

Change in condition
Melting point/freezing point:  Undetermined.
Initial boiling point and boiling range: Undetermined.

Flash point:                 Not applicable
Flammability (solid, gas):   Product is not flammable.
Ignition temperature:        Not determined.
Decomposition temperature:   Not determined.
Auto-ignition temperature:   Product is not selfigniting.
Explosive properties:        Product does not present an explosion hazard.
44.3.6

Explosion limits:
Lower: Not determined.
Upper: Not determined.

Oxidising properties
Not determined.

Vapour pressure: Not applicable.

Density: Not applicable.
Relative density: Not determined.
Vapour density: Not applicable.
Evaporation rate: Not applicable.

Solubility in / Miscibility with
Water: Unsoluble

Segregation coefficient (n-octanol/water) log Pow:
Not determined.

Viscosity:
dynamic: Not applicable.
kinematic: Not applicable.

Solvent content:
Organic solvents: 0.0 %
EU-VOC: 0.00 %
Solids content: 100.0 %

9.2 Other information
No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No further relevant information available.

10.2 Chemical stability
Stable at recommended storage conditions

Thermal decomposition / Conditions to be avoided:
No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions
No dangerous reactions known

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.

LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>65997-15-1 cement portland, grey</td>
<td>Dermal LD50</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>1317-65-3 limestone</td>
<td>Oral LD50</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td></td>
</tr>
</tbody>
</table>
**贸易名称**: Five Star grout

**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 (carcinogenity, 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**
- May cause respiratory irritation.

**STOT-repeated exposure**
- Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

12.1 **Toxicity**
- **Aquatic toxicity**: No further relevant information available.

<table>
<thead>
<tr>
<th>Type of test</th>
<th>Effective concentration</th>
<th>Method</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1317-65-3 limestone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50/96h</td>
<td>&gt;10000 mg/l (Oncorhynchus mykiss (Rainbow trout))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50/48h</td>
<td>&gt;1000 mg/l (Daphnia magna)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50/72h</td>
<td>&gt;200 mg/l (Algae)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2 **Persistence and degradability** No further relevant information available.

12.3 **Bioaccumulative potential** No further relevant information available.

**Behaviour in environmental systems:**

12.4 **Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes**: Do not allow product to reach ground water, water course or sewage system.

12.5 **Results of PBT and vPvB assessment**
- **PBT**: Does not contain PBT substances.
- **vPvB**: Does not contain vPvB substances.

12.6 **Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

13.1 **Waste treatment methods**

**European waste catalogue**
- Possible waste code. The concrete waste code depends on the source of the waste.

**Uncleaned packaging:**

**Recommendation**: Disposal must be made according to official regulations.
SECTION 14: Transport information

14.1 UN-Number
ADR, ADN, IMDG, IATA
Void

14.2 UN proper shipping name
ADR, ADN, IMDG, IATA
Void

14.3 Transport hazard class(es)
ADR
Class
- (-)
ADN/R Class:
Void
IMDG
Class
Void
Label
-

14.4 Packing group
ADR, IMDG, IATA
Void

14.5 Environmental hazards:
Not applicable.

14.6 Special precautions for user
Not applicable.
EMS Number:
-

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

Transport/Additional information:
Not dangerous according to the above specifications.

UN "Model Regulation":
Void

SECTION 15: Regulatory information

15.1 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.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
Contact: Dr S. Kelly; tel. + 44 (0) 1525 718877
### Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Code for Dangerous Goods</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IATA-DGR</td>
<td>Dangerous Goods Regulations by the &quot;International Air Transport Association&quot; (IATA)</td>
</tr>
<tr>
<td>ICAO</td>
<td>International Civil Aviation Organisation</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonised System of Classification and Labelling of Chemicals</td>
</tr>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Commercial Chemical Substances</td>
</tr>
<tr>
<td>ELINCS</td>
<td>European List of Notified Chemical Substances</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service (division of the American Chemical Society)</td>
</tr>
<tr>
<td>LC50</td>
<td>Lethal concentration, 50 percent</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal dose, 50 percent</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>SVHC</td>
<td>Substances of Very High Concern (REACH regulation)</td>
</tr>
<tr>
<td>vPvB</td>
<td>very Persistent and very Bioaccumulative</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/Irritation – Category 2</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation – Category 1</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitisation – Category 1</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) – Category 3</td>
</tr>
</tbody>
</table>

* Data compared to the previous version altered.