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

1.1. Product identifier
Product form : Mixture
Product name : FE Eco

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public
Main use category : Professional use, Consumer use
Use of the substance/mixture : Screeding

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Manufacturer : Knauf Gips KG
Am Bahnhof 7
97346 Iphofen - Germany
T +49 932331-0 - F +49 932331-277
zentrale@knauf.de - www.knauf.de
E-mail address of competent person responsible for the SDS : sds-info@knauf.de

1.4. Emergency telephone number
<table>
<thead>
<tr>
<th>Country</th>
<th>Organisation/Company</th>
<th>Address</th>
<th>Emergency number</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit</td>
<td>Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle</td>
<td>0344 892 0111</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin Irrit. 2 : H315
Eye Dam. 1 : H318

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects
Causes skin irritation. Causes serious eye damage.

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display
Hazard pictograms (CLP) : GHS05

Signal word (CLP) : Danger
Hazardous ingredients : Portland cement
Hazard statements (CLP) : H315 - Causes skin irritation. H318 - Causes serious eye damage.
Precautionary statements (CLP):
- P102 - Keep out of reach of children.
- P280 - Wear protective gloves, eye protection, protective clothing.
- 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.
- P313 - Get medical advice/attention.
- P362 - Take off contaminated clothing.

Extra phrases:
- In case of proper storage in a dry location low in chromate content for at least 6 months from date of manufacture.

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland cement</td>
<td>(CAS-No.) 65997-15-1</td>
<td>&lt;= 1</td>
<td>Skin Irrit. 2, H315, Eye Dam. 1, H318, STOT SE 3, H335</td>
</tr>
</tbody>
</table>

Comments:
- Low in chromate according to EU-Regulation 1907/2006 (REACH).

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures
- First-aid measures general: Take off contaminated clothing. Wash contaminated clothing before reuse.
- First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
- First-aid measures after skin contact: Rinse and then wash skin thoroughly with water and soap. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion: Rinse mouth thoroughly with water. Immediately give plenty of water. Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed
- Symptoms/effects after inhalation: May cause respiratory irritation.
- Symptoms/effects after skin contact: Irritation.
- Symptoms/effects after eye contact: Serious damage to eyes.

4.3. Indication of any immediate medical attention and special treatment needed
- Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
- Suitable extinguishing media: The product is not flammable. If there is a fire close by, use suitable extinguishing agents.
- Unsuitable extinguishing media: No unsuitable extinguishing media known.

5.2. Special hazards arising from the substance or mixture
- Fire hazard: Non combustible.
Hazardous decomposition products in case of fire:

Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures:

Avoid dust formation.

6.1.1. For non-emergency personnel

Emergency procedures:

Ventilate spillage area. Avoid breathing dust. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up:

Mechanically recover the product. Avoid dust formation.

6.4. Reference to other sections

For further information refer to section 13. 7.1. Precautions for safe handling. 8. Exposure controls/personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling:

Ensure good ventilation of the work station. Avoid dust formation. Avoid breathing dust. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures:

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:

Store in a well-ventilated place. Keep container tightly closed. Store in a dry, cool area.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Portland cement (65997-15-1)</th>
<th>Local name</th>
<th>Portland cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>10 mg/m³ inhalable dust</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 mg/m³ respirable dust</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Regulatory reference</td>
<td>EH40. HSE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>chalk (1317-65-3)</th>
<th>Local name</th>
<th>Calcium carbonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>10 mg/m³ inhalable dust</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 mg/m³ respirable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 mg/m³ Limestone, respirable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m³ Limestone, total inhalable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 mg/m³ Marble, respirable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m³ Marble, total inhalable</td>
</tr>
</tbody>
</table>

(Version: 1.0)
8.2. Exposure controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

**Hand protection:**

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Permeation</th>
<th>Thickness (mm)</th>
<th>Penetration</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nitrile rubber (NBR)</td>
<td>6 (&gt; 480 minutes)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Eye protection:**

Protective goggles

<table>
<thead>
<tr>
<th>Type</th>
<th>Use</th>
<th>Characteristics</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealed safety goggles</td>
<td></td>
<td></td>
<td>EN 166</td>
</tr>
</tbody>
</table>

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

<table>
<thead>
<tr>
<th>Device</th>
<th>Filter type</th>
<th>Condition</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust mask</td>
<td>Type P2</td>
<td>Dust protection</td>
<td>EN 149</td>
</tr>
</tbody>
</table>

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Colour</td>
<td>Beige, Grey</td>
</tr>
<tr>
<td>Odour</td>
<td>odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>11 - 13 Suspension</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>$\approx 2 \text{ g/cm}^3$</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2. Other information
Bulk density: 800 - 1500 kg/m³

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity (oral): Not classified
Acute toxicity (dermal): Not classified
Acute toxicity (inhalation): Not classified
Skin corrosion/irritation: Causes skin irritation.
                      pH: 11 - 13 Suspension
Serious eye damage/irritation: Causes serious eye damage.
                             pH: 11 - 13 Suspension
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified

SECTION 12: Ecological information

12.1. Toxicity
Acute aquatic toxicity: Not classified
Chronic aquatic toxicity: Not classified
FE Eco
Safety Data Sheet
according to Regulation (EU) 2015/830

Portland cement (65997-15-1)

13.06/2018 (Version: 3.0)

12.2. Persistence and degradability

Portland cement (65997-15-1)

Persistence and degradability
Biodegradability: not applicable.
Biochemical oxygen demand (BOD) Not applicable
Chemical oxygen demand (COD) Not applicable
ThOD Not applicable
BOD (% of ThOD) Not applicable

12.3. Bioaccumulative potential

Portland cement (65997-15-1)

Bioaccumulative potential
Bioaccumulation: not applicable.

12.4. Mobility in soil

Portland cement (65997-15-1)

Ecology - soil
No (test)data on mobility of the substance available.

12.5. Results of PBT and vPvB assessment

Component
Portland cement (65997-15-1)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste): Disposal must be done according to official regulations.
Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.
Product/Packaging disposal recommendations: Empty the packaging completely prior to disposal. Dirty containers cannot be handled as normal waste.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

No supplementary information available
14.6. Special precautions for user
- Overland transport
  Not applicable
- Transport by sea
  Not applicable
- Air transport
  Not applicable
- Inland waterway transport
  Not applicable
- Rail transport
  Not applicable

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

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |

Contact person : Technical information service (see point 1):
A call to Knauf Direkt will be charged at 0.39 € per minute. Callers, the telephone numbers of whom are not saved in the Knauf Gips KG address database, e.g. private property owners or noncustomers, will pay 1.69 € per minute from the German network. Callers using mobile telephones will be charged according to the network provider and tariff.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.