Flowdur HF Aggregate

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

1.1. Product identifier

Product name          Flowdur HF Aggregate

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description          Restricted to professional users.
                      Component Of A Three Pack Polyurethane Floor Screed.

1.3. Details of the supplier of the safety data sheet

Company               Virtus Resins
Address               The Shippon, Faenol
                      Pentrecelyn
                      Ruthin
                      LL15 2SP
Web                   www.epoxyresinsuppliers.co.uk
Telephone             +44 (0)1978 790 744
Fax                    
Email                  info@epoxyresinsuppliers.co.uk
Email address of the  info@epoxyresinsuppliers.co.uk
                      competent person

1.4. Emergency telephone number

Emergency telephone   +44 (0)1978 790 744
number
                      8.30am to 5.00pm Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC      Xn; R48/20
Symbols: Xn: Harmful.
Main hazards           Harmful: danger of serious damage to health by prolonged exposure through inhalation.
2.1.2. Classification - EC 1272/2008    Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT RE 1: H372;

2.2. Label elements

Hazard pictograms

Signal Word           Danger
Hazard Statement      Skin Irrit. 2: H315 - Causes skin irritation.
                      Eye Irrit. 2: H319 - Causes serious eye irritation.
                      STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.
2.2. Label elements

Precautionary Statement: Prevention
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: Response
P302+P352 - IF ON SKIN: Wash with plenty of 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.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.

Precautionary Statement: Disposal
P501 - Dispose of contents/container to

2.3. Other hazards

Other hazards
No data available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Index No.</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>REACH Registration Number</th>
<th>Conc. (%w/w)</th>
<th>Classification</th>
<th>M-factor.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica Sand</td>
<td>14808-60-7</td>
<td>14808-60-7</td>
<td>14808-60-7</td>
<td>50 - 60% Xn; R48/20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
<td>1305-62-0</td>
<td>1305-62-0</td>
<td>1-10%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

EC 1272/2008

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Index No.</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>REACH Registration Number</th>
<th>Conc. (%w/w)</th>
<th>Classification</th>
<th>M-factor.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica Sand</td>
<td>14808-60-7</td>
<td>14808-60-7</td>
<td>14808-60-7</td>
<td>50 - 60% STOT RE 1: H372;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Remove person to fresh air and support breathing as needed. Inhalation of large amounts of cement requires immediate medical attention. Consult a physician immediately.

Eye contact
Flush immediately eye thoroughly with clean water. Consult a physician immediately if irritation persists.

Skin contact
Wash affected areas with neutral soap and clean cool water or at least 15 minutes. For reduced or blistered skin, consult a physician immediately.

Ingestion
Rinse out mouth, drink water, cause no vomiting and consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation
May cause irritation to respiratory system.

Eye contact
Irritating to eyes.

Skin contact
Causes burns.

Ingestion
Harmful by inhalation and if swallowed.

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

Inhalation
Seek medical attention if irritation or symptoms persist.

Eye contact
Seek medical attention if irritation or symptoms persist.

Skin contact
Seek medical attention if irritation or symptoms persist.

Ingestion
Seek medical attention if irritation or symptoms persist.
SECTION 5: Firefighting measures

5.1. Extinguishing media
Not relevant as product is incombustible.

5.2. Special hazards arising from the substance or mixture
No data is available on this product.

5.3. Advice for firefighters
No data is available on this product.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear suitable protective clothing, gloves and eye/face protection.

6.2. Environmental precautions
Avoid uncontrolled entry into the sewage system or into the outfall drain, especially after uncontrolled water addition.

6.3. Methods and material for containment and cleaning up
Pick up mechanically (dry).

6.4. Reference to other sections
Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid dust development, Avoid skin and eye contact. During working avoid skin contact through use of appropriate protective clothing.

Bagged aggregate is heavy and poses risk of injury during carrying. Handle with care. Use Personal Protective Equipment (PPE).

7.2. Conditions for safe storage, including any incompatibilities
Protect from moisture in closed rooms and containers.

7.3. Specific end use(s)
Wear suitable protective clothing.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

<table>
<thead>
<tr>
<th>Substance</th>
<th>WEL 8-hr limit ppm:</th>
<th>WEL 8-hr limit mg/m³:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEL 8-hr limit ppm:</td>
<td>-</td>
<td>5</td>
</tr>
<tr>
<td>WEL 8-hr limit mg/m³</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>WEL 15 min limit ppm:</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>WEL 15 min limit mg/m³:</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>WEL 8-hr limit ppm:</th>
<th>WEL 8-hr limit mg/m³:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cement (Portland cement)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEL 8-hr limit ppm:</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>WEL 8-hr limit mg/m³</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>WEL 15 min limit ppm:</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>WEL 15 min limit mg/m³:</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
8.2. Exposure controls

- **Eye / face protection**: Wear eye/face protection.
- **Skin protection - Hand protection**: Chemical resistant gloves.
- **Skin protection - Other**: Wear suitable protective clothing.
- **Respiratory protection**: Provide local exhaust or general ventilation system to control dust levels below the 8hrTWA level. Avoid creating airborne dust conditions. Local exhaust ventilation is preferred since it prevents the release of contaminants into the work area by controlling it at the source. If local or general ventilation is not adequate to control dust levels below exposure limits, use OES approved respirators.

**Thermal hazards**: No data is available on this product.

### 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>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable.</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>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Fat Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**9.2. Other information**

- **Conductivity**: No data available
- **Surface tension**: No data available
- **Gas group**: No data available
- **Benzene Content**: Not applicable.
- **Lead content**: Not applicable.
- **VOC (Volatile organic compounds)**: No data available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data is available on this product.

#### 10.2. Chemical stability

No data is available on this product.
### 10.2. Chemical stability
This product is stable if stored and handled as prescribed/indicated.

### 10.3. Possibility of hazardous reactions
No data is available on this product.

### 10.4. Conditions to avoid
No data is available on this product.

### 10.5. Incompatible materials
No data is available on this product.

### 10.6. Hazardous decomposition products
Acids.

### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>No data is available on this product.</td>
</tr>
<tr>
<td>Skin corrosion/irritiation</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>No data is available on this product.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>No data is available on this product.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data is available on this product.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No data is available on this product.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No data is available on this product.</td>
</tr>
</tbody>
</table>

### 11.1.4. Toxicological Information
No data available

### 12.1. Toxicity
No data available

### 12.2. Persistence and degradability
No data available on this product.

### 12.3. Bioaccumulative potential
No data available on this product.

### 12.4. Mobility in soil
No data available on this product.

### 12.5. Results of PBT and vPvB assessment
No data available on this product.

### 12.6. Other adverse effects
No data available on this product.

### 13.1. Waste treatment methods
Completely empty the packaging and process it according to local legislation.

### 14.6. Special precautions for user
14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

ADR/RID

The product is not classified as dangerous for carriage.

IMDG

The product is not classified as dangerous for carriage.

IATA

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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


SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:
2 - 2.1. Classification of the substance or mixture.
2 - Hazard pictograms.
2 - Signal Word.
2 - Precautionary Statement: Prevention.
2 - Precautionary Statement: Response.
2 - Precautionary Statement: Disposal.
15 - Labelling.
15 - Risk phrases.

Text of risk phrases in Section 3

R36/37/38 - Irritating to eyes, respiratory system and skin.
R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Text of Hazard Statements in Section 3

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.
Skin Irrit. 2: H315 - Causes skin irritation.
Eye Irrit. 2: H319 - Causes serious eye irritation.
STOT SE 3: H335 - May cause respiratory irritation.

General information

This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in
| Further information | combination with any other materials or in any other process. |