Safety data sheet

Issue date: 31-10-2016
Version: 01.01 / EU_UK

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

1.1. Product identifier
Trade name: Cembrit Multi Force

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended uses: Fiber cement building board.

1.3. Details of the supplier of the safety data sheet
Supplier: Cembrit Holding A/S
Sohngårdsbolmsvej 2
9000 Aalborg
Denmark
Tel: +45 99372222
Fax: +45 98120075
Email: info@cembrit.dk

1.4. Emergency telephone number
+45 99 37 22 22 (Company)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
CLP-classification (Regulation (EC) No 1272/2008):
The product shall not be classified as hazardous according to EU classification and labelling rules.

Most serious harmful effects:
May cause slight irritation to the skin and eyes.

According to REACH, the product is an article and is consequently not subject to the requirement for a safety data sheet.

2.2. Label elements
The product shall not be classified as hazardous according to EU classification and labelling rules.

2.3. Other hazards
The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Registration number</th>
<th>CAS/EC No.</th>
<th>Substance</th>
<th>CLP-classification (Regulation (EC) No 1272/2008)</th>
<th>w/w%</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contains no substances subject to reporting requirements.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please see section 16 for the full text of H-phrases.
SECTION 4: First aid measures
4.1. Description of first aid measures
Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.
Skin: Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
Eyes: Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Other information: When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed
May cause slight irritation to the skin and eyes.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures
5.1. Extinguishing media
Suitable extinguishing media: The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.
Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture
The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.

5.3. Advice for firefighters
Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel: Wear gloves.
For emergency responders: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions
Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up
Sweep up/collect spills for possible reuse or transfer to suitable waste containers.

6.4. Reference to other sections
See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities
Store in a dry area.

7.3. Specific end use(s)
None.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Contains no substances subject to reporting requirements.
8.2. Exposure controls
For engineering controls, wear the personal protective equipment specified below. For personal protective equipment, eye/face protection, wear safety goggles if there is a risk of dust contact with eyes. Eye protection must conform to EN 166. For personal protective equipment, skin protection, wear gloves. Gloves must conform to EN 374. For personal protective equipment, respiratory protection, wear respiratory protective equipment with P2 filter when performing dusty work. Respiratory protection must conform to one of the following standards: EN 136/140/145. Environmental exposure controls: Ensure compliance with local regulations for emissions.

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>State</td>
<td>Solid substance</td>
</tr>
<tr>
<td>Colour</td>
<td>Grey</td>
</tr>
<tr>
<td>Odour</td>
<td>No data</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data</td>
</tr>
<tr>
<td>pH (solution for use)</td>
<td>No data</td>
</tr>
<tr>
<td>pH (concentrate)</td>
<td>Approx. 11 (Due to calcium hydroxide, pH will reduce over time)</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data</td>
</tr>
<tr>
<td>Upper/lower flammability limits</td>
<td>No data</td>
</tr>
<tr>
<td>Upper/lower explosive limits</td>
<td>No data</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.8</td>
</tr>
<tr>
<td>Solubility</td>
<td>Solubility in water: Insoluble</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data</td>
</tr>
<tr>
<td>n-octanol/water</td>
<td>No data</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>&gt;150°C. 250°C: the product loses 90% of its initial strength.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data</td>
</tr>
</tbody>
</table>

9.2. Other information
None.

SECTION 10: Stability and reactivity
10.1. Reactivity
Not reactive.

10.2. Chemical stability
The product is stable when used in accordance with the supplier’s directions.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products
None known.

SECTION 11: Toxicological information
11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - oral</td>
<td>The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Acute toxicity - dermal</td>
<td>The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Acute toxicity - inhalation</td>
<td>The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>May cause slight irritation. The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>May cause eye irritation. The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Respiratory sensitisation or skin sensitisation</td>
<td>The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Carcinogenic properties</td>
<td>The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Single STOT exposure</td>
<td>Inhalation of dust may cause irritation to the upper airways. The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Repeated STOT exposure</td>
<td>The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Other toxicological effects</td>
<td>None known.</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Test data are not available.

12.2. Persistence and degradability

Not expected to be biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation expected.

12.4. Mobility in soil

Hardens to a firm, non-mobile mass.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Do not discharge large quantities of concentrated spills and residue into drains.

Contact the local authorities. EWC code: 17 01 01 Concrete
SECTION 14: Transport information
The product is not covered by the rules for transport of dangerous goods.

14.1. UN number -
14.2. UN proper shipping name -
14.3. Transport hazard class(es) -
14.4. Packing group -
14.5. Environmental hazards -
14.6. Special precautions for user -
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code -

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Special provisions: None.

15.2. Chemical safety assessment
Chemical safety assessment has not been performed.

SECTION 16: Other information
Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic
                          vPvB: Very Persistent and Very Bioaccumulative
                          STOT: Specific Target Organ Toxicity
Classification method: Calculation based on the hazards of the known components.
H-phrases: No H-phrases.
Training: A thorough knowledge of this safety data sheet should be a prerequisite condition.
Other information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.