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

1.1. Product identifier
Trade name or designation of the mixture: LPS® Strong Steel Sticks
Registration number: -
Synonyms: None.
Part Number: 60159, M60159
Issue date: 07-April-2015
Revision date: 01-May-2017
Supersedes date: 07-April-2015

1.2. Relevant identified uses of the substance or mixture and uses advised against
Uses advised against: None known.

1.3. Details of the supplier of the safety data sheet
Supplier: Alsco Ltd
Company name: Unit 13 Hillmead Industrial Estate
Address: Marshall Road
Swindon, Wiltshire
United Kingdom SN5 5FZ
Telephone: +44 1793 733 900
In Case of Emergency: +001 703-527-3887
Manufacturer: ITW Pro Brands
Company name: 4647 Hugh Howell Rd., Tucker, GA 30084 (U.S.A.)
Website: http://www.lpslabs.com
e-mail: lpssds@itwprobrands.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended
Classification: R43, R52/53
The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended
Health hazards
Skin sensitisation Category 1 H317 - May cause an allergic skin reaction.

Environmental hazards
Hazardous to the aquatic environment, long-term aquatic hazard Category 3 H412 - Harmful to aquatic life with long lasting effects.

Hazard summary
Physical hazards: Not classified for physical hazards.
Health hazards: May cause sensitisation by skin contact. Occupational exposure to the substance or mixture may cause adverse health effects.
Environmental hazards: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Specific hazards: Prolonged exposure may cause chronic effects.
Main symptoms: May cause an allergic skin reaction. May cause redness and pain. Rash. Dermatitis.

2.2. Label elements
Label according to Regulation (EC) No. 1272/2008 as amended
Contains: Crystalline Silica, Ferrosilicon, Glass, oxide, chemicals, Magnesium Silicate Hydrate, Nepheline syenite, Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin

Hazard pictograms

Signal word Warning
Hazard statements
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves.

Response
P362 + P364 Take off contaminated clothing and wash it before reuse.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

Storage
Store away from incompatible materials.

Disposal
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information
62.64, 81.58 % of the mixture consists of component(s) of unknown acute oral toxicity. 81.06 % of the mixture consists of component(s) of unknown acute dermal toxicity. 99.48 % of the mixture consists of component(s) of unknown acute hazards to the aquatic environment.

None known.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>%</th>
<th>CAS-No. / EC No.</th>
<th>REACH Registration No.</th>
<th>INDEX No.</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Magnesium Silicate Hydrate</td>
<td>30 - 60</td>
<td>14807-96-6 238-877-9</td>
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<td>-</td>
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<tr>
<td>Classification: DSD: - CLP: -</td>
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<td>Ferrosilicon</td>
<td>10 - 30</td>
<td>8049-17-0</td>
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<tr>
<td>Glass, oxide, chemicals</td>
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<td>65997-17-3 266-046-0</td>
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<tr>
<td>Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin</td>
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<td>25068-38-6 500-033-5</td>
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<td>Classification: DSD: Xi;R36/38, R43, N;R51/53 CLP: Acute Tox. 4;H302, Acute Tox. 3;H311, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 2;H411</td>
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<td>Nepheline syenite</td>
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<td>Classification: DSD: - CLP: -</td>
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</tbody>
</table>
List of abbreviations and symbols that may be used above

- DSD: Directive 67/548/EEC.
- M: M-factor
- vPvB: very persistent and very bioaccumulative substance.
- PBT: persistent, bioaccumulative and toxic substance.
- #: This substance has been assigned Community workplace exposure limit(s).

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments

The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion
May cause an allergic skin reaction. May cause redness and pain. Rash. Dermatitis.

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

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

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

SECTION 5: Firefighting measures

General fire hazards

No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media
None known.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures
Use water spray to cool unopened containers.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.

For emergency responders
Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up

Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.

Use personal protection recommended in Section 8 of the SDS. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>MAK</td>
<td>0,15 mg/m³</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>MAK</td>
<td>2 mg/m³</td>
<td>Respirable fraction.</td>
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</tbody>
</table>

Belgium. Exposure Limit Values.

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0,1 mg/m³</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>TWA</td>
<td>2 mg/m³</td>
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</tr>
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</table>

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
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</thead>
<tbody>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
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<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>TWA</td>
<td>1 fibers/cm³</td>
<td>Respirable fraction.</td>
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<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>6 mg/m³</td>
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<tr>
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<td>3 mg/m³</td>
<td>Respirable fraction.</td>
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</table>

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
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</thead>
<tbody>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>MAC</td>
<td>0,1 mg/m³</td>
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<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>MAC</td>
<td>1 mg/m³</td>
<td>Respirable dust.</td>
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Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
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<tbody>
<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>TWA</td>
<td>706 part/cm³</td>
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</table>

Czech Republic. OELs. Government Decree 361

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
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</thead>
<tbody>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0,1 mg/m³</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>10 mg/m³</td>
<td>Respirable dust.</td>
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</tbody>
</table>

Denmark. Exposure Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TLV</td>
<td>0,3 mg/m³</td>
<td>Total</td>
</tr>
<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>0,1 mg/m³</td>
<td>Respirable.</td>
<td></td>
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</tbody>
</table>
### Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
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</thead>
<tbody>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0,1 mg/m³</td>
<td>Respirable dust.</td>
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### Finland. Workplace Exposure Limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
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</thead>
<tbody>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0,05 mg/m³</td>
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<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>STEL</td>
<td>2 ppm</td>
<td>Inhalable dust.</td>
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<td></td>
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<td>1 ppm</td>
<td>Respirable.</td>
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### France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

<table>
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<tr>
<th>Components</th>
<th>Type</th>
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<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>VME</td>
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### Greece. OELs (Decree No. 90/1999, as amended)

<table>
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<th>Type</th>
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</thead>
<tbody>
<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
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<td>2 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m³</td>
<td>Inhalable</td>
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### Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
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<tbody>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0,15 mg/m³</td>
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</tr>
<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Respirable.</td>
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### Iceland. OELs. Regulation 154/1999 on occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
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<tbody>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0,3 mg/m³</td>
<td>Total dust.</td>
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<tr>
<td>Glass, oxide, chemicals (CAS 65997-17-3)</td>
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<td>0,1 mg/m³</td>
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<tr>
<td></td>
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<td>1 fibers/cm³</td>
<td>Fiber.</td>
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### Ireland. Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
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<tbody>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0,1 mg/m³</td>
<td>Respirable dust.</td>
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<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
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<td>10 mg/m³</td>
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<tr>
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<td>0,8 mg/m³</td>
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### Italy. Occupational Exposure Limits

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<tbody>
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<td>TWA</td>
<td>2 mg/m³</td>
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### Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

<table>
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<th>Type</th>
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<tr>
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<tr>
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<tr>
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<td>Respirable fraction.</td>
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### Netherlands. OELs (binding)

<table>
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<tr>
<th>Components</th>
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<tbody>
<tr>
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<tr>
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<td>Portugal</td>
<td>VLEs, Norm on occupational exposure to chemical agents (NP 1796)</td>
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<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
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<td>OELs, Protection of workers from exposure to chemical agents at the workplace</td>
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<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>TWA</td>
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<td>OELs/CMRs, Protection of workers from exposure to carcinogen and mutagen agents. Hotărâre Nr. 1093 din 16 August 2006, Annex 3</td>
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<td>TWA</td>
</tr>
<tr>
<td>Sweden</td>
<td>OELs, Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)</td>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TWA</td>
</tr>
</tbody>
</table>

**Material name:** LPS® Strong Steel Sticks - ITW Pro Brands (EU)

**SDS EU**

60159, M60159 Version #: 02 Revision date: 01-May-2017 Issue date: 07-April-2015
Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 mg/m³</td>
<td>Respirable dust.</td>
</tr>
</tbody>
</table>

Switzerland. SUVA Grenzwerte am Arbeitsplatz

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0,15 mg/m³</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Respirable dust.</td>
</tr>
</tbody>
</table>

UK. EH40 Workplace Exposure Limits (WELs)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Silicate Hydrate (CAS 14807-96-6)</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>Respirable dust.</td>
</tr>
</tbody>
</table>

No biological exposure limits noted for the ingredient(s).

Biological limit values

Follow standard monitoring procedures.

Recommended monitoring procedures

Not available.

Derived no effect levels (DNELs)

Not available.

Predicted no effect concentrations (PNECs)

Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

Exposure guidelines

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye, wash facilities and emergency shower must be available when handling this product.

8.2. Exposure guidelines

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Individual protection measures, such as personal protective equipment

Use safety glasses with side shields (or goggles).

Eye/face protection

Wear appropriate chemical resistant gloves.

Skin protection

Wear appropriate chemical resistant clothing.

- Respiratory protection

Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.

Thermal hazards

Not applicable.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

Environmental exposure controls

Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

**Appearance**

**Physical state**: Solid.

**Form**: Solid.

**Colour**: Dark grey; Black

**Odour**: Sulphurous. Pungent.

**Odour threshold**: Not available.

**pH**: Not applicable

**Melting point/freezing point**: Not available.

**SDBS EU**

Material name: LPS® Strong Steel Sticks - ITW Pro Brands (EU)

60159, M60159 Version #: 02 Revision date: 01-May-2017 Issue date: 07-April-2015
Initial boiling point and boiling range
Not available.

Flash point
> 93.3 °C (> 199.9 °F) Setaflash

Evaporation rate
Not available.

Flammability (solid, gas)
Flammable solid.

Upper/lower flammability or explosive limits
Flammability limit - lower (%)
Not available.

Flammability limit - upper (%)
Not available.

Vapour pressure
Not available.

Vapour density
Not available.

Relative density
2.247

Solubility(ies)
Solubility (water)
Not available.

Partition coefficient (n-octanol/water)
Not available.

Auto-ignition temperature
Not available.

Decomposition temperature
> 2000 °C (> 3632 °F)

Viscosity
Not applicable

Explosive properties
Not available.

Oxidising properties
No relevant additional information available.

9.2. Other information

SECTION 10: Stability and reactivity

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

10.2. Chemical stability
Material is stable under normal conditions.

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

10.4. Conditions to avoid
Temperatures above 35 °C

10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products
No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information
Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation
Prolonged inhalation may be harmful.

Skin contact
May cause an allergic skin reaction. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Eye contact
Direct contact with eyes may cause temporary irritation.

Ingestion
May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms
Direct contact with eyes may cause temporary irritation. May cause redness and pain. Rash. Dermatitis.

11.1. Information on toxicological effects

Acute toxicity
May cause an allergic skin reaction. Not known.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (CAS 25068-38-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 800 mg/kg, 24 Hours</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 500 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation
Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation
Direct contact with eyes may cause temporary irritation.
Respiratory sensitisation  Not a respiratory sensitizer.

Skin sensitisation  May cause an allergic skin reaction.

Germ cell mutagenicity  No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity  This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**ACGIH Carcinogens**
- Crystalline Silica (CAS 14808-60-7)  Suspected human carcinogen. A2
- Magnesium Silicate Hydrate (CAS 14807-96-6)  Not classifiable as a human carcinogen. A4

**Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)**
- Not listed.

**IARC Monographs. Overall Evaluation of Carcinogenicity**
- Crystalline Silica (CAS 14808-60-7)  1 Carcinogenic to humans.
- Magnesium Silicate Hydrate (CAS 14807-96-6)  2B Possibly carcinogenic to humans.
- 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity  This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure  Not classified.

Specific target organ toxicity - repeated exposure  Not classified.

Aspiration hazard  Not likely, due to the form of the product.

Mixture versus substance information  No information available.

Other information  Not available.

**SECTION 12: Ecological information**

12.1. Toxicity  The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2. Persistence and degradability  No data is available on the degradability of this product.

12.3. Bioaccumulative potential  No data available.

Partition coefficient  n-octanol/water (log Kow)  Not available.

Bioconcentration factor (BCF)  Not available.

12.4. Mobility in soil  No data available.

12.5. Results of PBT and vPvB assessment  Not available.

12.6. Other adverse effects  None known.

**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

**Residual waste**  Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**  Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**EU waste code**  The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Disposal methods/information**  Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Special precautions**  Dispose in accordance with all applicable regulations.

**SECTION 14: Transport information**

**ADR**  14.1. - 14.6.: Not regulated as dangerous goods.

**RID**  14.1. - 14.6.: Not regulated as dangerous goods.
14.1. - 14.6.: Not regulated as dangerous goods.

IATA
14.1. - 14.6.: Not regulated as dangerous goods.

IMDG
14.1. - 14.6.: Not regulated as dangerous goods.

14.7. Transport in bulk
according to Annex II of Marpol
and the IBC Code

SECTION 15: Regulatory information

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

EU regulations
- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended
  - Not listed.
  - Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended
  - Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended
  - Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended
  - Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended
  - Not listed.
  - Not listed.
- Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA
  - Not listed.

Authorisations
- Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended
  - Not listed.

Restrictions on use
- Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
  - Not listed.
- Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.
  - Not listed.

Other EU regulations
- Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended
  - Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (CAS 25068-38-6)

Other regulations
- The product is classified and labelled in accordance with EC directives or respective national laws.
- This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
- Pregnant women should not work with the product, if there is the least risk of exposure.

National regulations
- Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment
- No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations
- Not available.

References
- Not available.

Information on evaluation method leading to the classification of mixture
- The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15
- R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H350 May cause cancer.
H411 Toxic to aquatic life with long lasting effects.

Revision information
SECTION 2: Hazards identification: Disposal
SECTION 2: Hazards identification: Response
SECTION 2: Hazards identification: Supplemental label information
SECTION 3: Composition/information on ingredients: Component information
SECTION 8: Exposure controls/personal protection: Appropriate engineering controls
SECTION 8: Exposure controls/personal protection: Eye/face protection
SECTION 8: Exposure controls/personal protection: Respiratory protection
SECTION 9: Physical and chemical properties: Appearance
SECTION 11: Toxicological information: Acute toxicity
SECTION 11: Toxicological information: Skin contact
Transport Information: Material Transportation Information
Regulatory Information: Canada
GHS: Classification

Training information
Follow training instructions when handling this material.

Disclaimer
ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.