SAFETY DATA SHEET
Mineral Wool Insulation

Compilation Date: 09/02/16
Revision No: 1
Authorised by: M.Gee

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

1.1. Product Identifier

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Mineral Wool External Wall Grade Density Insulation Board</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code:</td>
<td>RHD040-RHD200mm, RFL040-200mm, RWRL050-RWRL150mm</td>
</tr>
<tr>
<td>Product Safety Data:</td>
<td>EOI04/11</td>
</tr>
</tbody>
</table>

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

SPSEnvirowall stone wool insulation
Relevant identified uses of the substance or mixture and uses advised against thermal insulation, acoustic insulation, and fire protection.
No uses advised against for physical health and environmental considerations as covered by REACH.
In terms of site use, the product shall be used in accordance with technical guidance published by SPSEnvirowall.
Details of the supplier of the information for this safety data sheet

1.3. Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Company Name:</th>
<th>SPSEnvirowall Ltd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td>Orchard House</td>
</tr>
<tr>
<td></td>
<td>Aire Valley Business Centre</td>
</tr>
<tr>
<td></td>
<td>Keighley</td>
</tr>
<tr>
<td></td>
<td>West Yorkshire</td>
</tr>
<tr>
<td></td>
<td>BD21 3DU</td>
</tr>
<tr>
<td></td>
<td>United Kingdom</td>
</tr>
<tr>
<td>Tel:</td>
<td>01535 661633</td>
</tr>
<tr>
<td>Fax:</td>
<td>01535 661933</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:info@spsenvirowall.co.uk">info@spsenvirowall.co.uk</a></td>
</tr>
</tbody>
</table>

1.4. Emergency Telephone Number

National Poisons Emergency Number / NHS : 111

Section 2: Hazards identification

2.1. Classification of the substance or mixture

There is no hazard statement associated with this material.

2.2 Label Elements

The overall conclusion in accordance with the REACH regulation is that there are no hazardous classifications associated with SPSENVIROWALL fibres in respect to physical, Health and environmental considerations.

2.3. Other Hazards

Use of high speed cutting tools can generate dust.
When heated to approximately 200°C for the first time, release of binder components and binder decomposition products can occur which, in high concentrations, may
irritate the eyes and respiratory system.

Section 3: Composition/information on ingredients

3.2. Mixtures

Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content greater than 18% by weight and meeting the requirements of Note Q of EU Directive 97/69/EEC.


Silicon oil/emulsion is used in place of mineral oil in certain SPSEnvirowall products such as pipe sections, PSM and products identified as ‘WRG’.

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC identification number</th>
<th>REACH registration number</th>
<th>Content (% weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stone wool</td>
<td>926-099-9</td>
<td>01-211-947-2313-44</td>
<td>95-100%</td>
</tr>
<tr>
<td>Synthetic thermosetting polymer binder</td>
<td></td>
<td></td>
<td>0-5%</td>
</tr>
<tr>
<td>Mineral oil</td>
<td></td>
<td></td>
<td>0-0.3%</td>
</tr>
<tr>
<td>Silicon oil/emulsion</td>
<td></td>
<td></td>
<td>0-0.5%</td>
</tr>
</tbody>
</table>

Section 4: First aid measures

4.1. Description of first aid measures

Inhalation
In case of discomfort, leave dusty area. Blow nose and rinse throat with clean water to clear any dust.

Skin
In case of discomfort, remove contaminated clothing and wash skin gently with clean cold water and mild soap.

Eye
In case of contact with eyes, rinse abundantly with clean water for at least 15 minutes.

Ingestion
If ingested, drink plenty of water.

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

The mechanical effect of fibres in contact with skin can cause temporary itching.

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

None required. If any adverse reaction or discomfort continues from any of the above exposures, seek professional medical advice.

Section 5: Fire-fighting measures

5.1. Extinguishing media

SPSEnvirowall Mineral Wool Unfaced products are non-combustible

5.2. Special hazards arising from the substance or mixture

Unfaced products are non-combustible and do not pose a fire hazard. Some facings and packaging materials may burn.
5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: No special requirements. In situations where there are high concentrations of dust, use personal protective equipment as described in Section Exposure controls/Personal protection.

6.2. Environmental precautions

Environmental precautions: None required

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Spray with water before sweeping or use vacuum equipment

6.4. Reference to other sections

Reference to other sections:

Section 7: Handling and storage

7.1. Precautions for safe handling

No specific measures. Recommended personal protection equipment and waste disposal considerations are covered in sections Exposure controls/Personal protection & Disposal considerations. Handling of the material should be done with care and attention to the Health & safety legislation as good practice in lifting & handling for further information visit www.hse.gov.uk

7.2. Conditions for safe storage, including any incompatibilities

Keep material in original packaging until it is to be used.
Store material to protect against damage including the weather.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limit (WEL) 5mg/m3 gravimetric measure (total inhalable dust) and 2 fibres/ml airborne fibre limit, 8-hour time weighted averages. HSE guidance assumes that the gravimetric measure would be reached before the fibre measure.

8.2. Exposure controls

Appropriate engineering controls
No specific requirements
Individual protection measures, such as personal protective equipment

**Eye protection:** With heavy dust development or particularly when working with product above shoulder height, the use of safety goggles to EN166 is advised.

**Skin protection:**
Hands: It is recommended that gloves in conformity with EN 388 are worn for comfort. Other: Cover exposed skin for comfort.

**Respiratory protection:** If the WEL is likely to be exceeded (for example when using high speed cutting tools or when working in confined spaces) disposable face masks complying with BS EN149 FFP1 or FFP2 should be used and are suitable for most applications. When insulation wool is heated to approximately 200°C for the first time(s), release of binder components and binder decomposition products occurs. The fumes can be detected by their acrid odour and high concentrations of these gases may irritate the eyes and respiratory system. In general, decomposition products from pyrolysis or burning of organic material can cause respiratory sensitisation. There are no recorded incidents of respiratory sensitisation from gases released from SPSENVIROWALL Ltd products. However, general dilution ventilation and/or local exhaust ventilation should be provided as necessary to control exposure to fumes when high temperature appliances are first put into service.

### Section 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Appearance: Solid, grey-green</td>
</tr>
<tr>
<td>b) Odour: None</td>
</tr>
<tr>
<td>c) Odour threshold: See above - no odour therefore not applicable</td>
</tr>
<tr>
<td>d) pH: Not relevant</td>
</tr>
<tr>
<td>e) Melting point: Above 1000 degrees C. The limiting temperature applicable for use is dependent upon specific product type and intended application and must be taken from the appropriate SPSENVIROWALL product data sheet</td>
</tr>
<tr>
<td>f) Initial boiling point and boiling range: Solid material therefore not applicable</td>
</tr>
<tr>
<td>g) Flash point: A1 non-combustible (ref UK and Ireland Building Regulations)</td>
</tr>
<tr>
<td>h) Evaporation rate: Solid material therefore not applicable</td>
</tr>
<tr>
<td>i) Flammability: A1 non-combustible (ref. UK and Ireland Building Regulations)</td>
</tr>
<tr>
<td>j) Upper/lower flammability or explosive limits: See above non-combustible therefore not applicable</td>
</tr>
<tr>
<td>k) Vapour pressure: Solid material therefore not applicable</td>
</tr>
<tr>
<td>l) Vapour density: See above - solid material therefore not applicable</td>
</tr>
<tr>
<td>m) Relative density: Solid material therefore not applicable</td>
</tr>
<tr>
<td>n) Solubility(ies): Generally chemically inert and insoluble in water</td>
</tr>
<tr>
<td>o) Partition coefficient n-octanol/water: See above - insoluble therefore not applicable.</td>
</tr>
<tr>
<td>q) Decomposition temperature: When insulation wool is heated to approximately 200 degrees C for the first time(s), release of binder components and binder decomposition products occurs.</td>
</tr>
<tr>
<td>r) Viscosity: Solid material therefore not applicable</td>
</tr>
<tr>
<td>s) Explosive properties: A1 non-combustible (ref. UK and Ireland Building Regulations)</td>
</tr>
<tr>
<td>t) Oxidising properties: Non-oxidising material therefore not applicable</td>
</tr>
</tbody>
</table>

**Other information:** No further chemical or physical properties to report.

#### 9.2. Other information

**Other information:** No data available.

### Section 10: Stability and reactivity

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability
SAFETY DATA SHEET
Mineral Wool Insulation

No data available.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
No data available.

10.5. Incompatible materials
No data available.

10.6. Hazardous decomposition products
No data available.

Section 11: Toxicological information

11.1. Information on toxicological effects

Information on toxicological effects
a) Acute toxicity: No acute toxicity
b) Irritation: The mechanical effect of fibres in contact with skin can cause temporary itching.
c) Corrosivity: No corrosivity
d) Sensitisation: No sensitisation
e) Repeated dose toxicity: No repeated dose toxicity
f) Carcinogenicity: Owing to their high bio-solubility, the fibre types of SPSENIROWALL stone wool insulation materials are assessed as free from suspicion of possible carcinogenic effects in accordance with EU Directive 97/69/EC (Note Q). In October 2001, the International Agency for Research on Cancer (IARC) classified mineral wool insulation as Group 3 (not classifiable as to its carcinogenicity in humans), i.e. not classified as possibly carcinogenic to humans. Furthermore, there are no hazardous classifications associated with SPSENIROWALL stone wool under REACH Regulations.
g) Mutagenicity: No mutagenicity
h) Toxicity for reproduction: No toxicity for reproduction

Section 12: Ecological information

12.1. Toxicity
No data available.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects

No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

SPSENIROWALL material is recyclable. Please refer to the available “Recycling scheme” for more information contact our office on 01535 661 633.

SPSENIROWALL insulation is classified as non-hazardous waste. SPSENIROWALL insulation waste is covered by the non-hazardous entry “17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03” in the European Waste Catalogue, established by EC Decision 2000/532/EC (hazardous waste). Under landfill regulations SPSENIROWALL insulation waste is categorised as “waste accepted at landfills for non-hazardous waste” in accordance with EC Decision 2003/33/EC (landfill acceptance criteria).

Hazardous Waste Regulations
List of Wastes/European Waste Catalogue (EWC).
Environment Agency Technical Guidance WM2, “Interpretation of the definition and classification of hazardous waste”.

Landfill Regulations
MIMA/Eurisol Health Statement.
This Safety Data Sheet has been prepared in accordance with European Commission Regulation (EU) No 453/2010 (REACH).
This data sheet does not constitute a workplace assessment. The information provided represents the state of our knowledge regarding this material at the date of its publication. The information provided does not constitute a product specification and no warranty expressed or implied is hereby made.
The information relates only to the specific material designated when used in applications it has been designed for. This information may not be valid for such material used in combination with any other materials or in any other processes, unless specified in the text.

Other information
SPSENIROWALL stone wool fibres are exonerated from classification as a carcinogen in accordance with EU Directive 97/69/CE and Regulation EC 1272/2008. SPSENIROWALL fibres are subject to independent assessment of compliance by the European Certification Board for Mineral Wool Products (EUC, www.eucesb.org) on an ongoing, voluntary basis.
Health and Safety Executive Guidance Note EH40 – Occupational Exposure Limits.
Health and Safety Commission “The Chemicals (Hazard Information and Packaging for Supply) Regulations” - 'CHIP'.

Section 14: Transport information

14.1. UN number

UN number: n/a

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous: No  Marine pollutant: No
Section 15: Regulatory information

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

The overall conclusion in accordance with the REACH regulation is that there are no hazardous classifications associated with SPSEnvirowall fibres in respect to physical, health and environmental considerations.

15.2. Chemical Safety Assessment

No assessment required

Section 16: Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 453/2010.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.