

## SAFETY DATASHEET

# BOSS Flexi-Batt

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## 1. SUBSTANCE IDENTIFICATION

|                        |   |
|------------------------|---|
| <b>Product Name</b>    | BOSS Flexi-Batt,  |
| <b>Product Code</b>    | BB-50   |
| <b>Use/Description</b> | Stone wool fibre board coated with FlexiCoat-MAK, used to prevent the passage of fire between compartmental walls and floors. |

## 2. COMPOSITION

|                             |   |
|-----------------------------|---|
| <b>Contains</b>             | The Batt consists of stone wool (or rockwool) fibre board coated with an FlexiCoat-MAK. It measures 1000x600x100mm. |
| <b>Hazardous Components</b> | Mineral wool: 95-99%<br>Binder: 1-5%<br>Oil: 0,1-0,5%   |

Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na<sub>2</sub>O + K<sub>2</sub>O + CaO + MgO + BaO) content greater than 18% by weigh and fulfilling one of the nota Q conditions.

**Possible facing materials:** glass mat, polyester mat, aluminium foil, or paper.

## 3. HAZARD IDENTIFICATION

|                     |   |
|---------------------|---|
| <b>Main Hazards</b> | Stone wool is classified as irritating to skin. The Irritation is mechanical and temporary. High dust levels from cut product may irritate the eyes and the upper respiratory tract. Decomposition of binder above 190°C may produce carbon dioxide and some trace gases. |
|---------------------|---|

#### 4. FIRST AID MEASURES (SYMPTOMS)

|                     |  |
|---------------------|--|
| <b>Skin Contact</b> | The mechanical effects of fibers can cause temporary itching                   |
| <b>Eye Contact</b>  | Irritation and redness   |
| <b>Ingestion</b>    | Irritation to throat   |
| <b>Inhalation</b>   | There may be irritation of the throat with a feeling of tightness in the chest |

#### 5. FIRST AID MEASURES (ACTION)

|                     |  |
|---------------------|--|
| <b>Skin Contact</b> | If itching occurs because of mechanical effects of the fibres, remove contaminated clothing and wash skin gently with cold water and soap, seek medical advice urgently. |
| <b>Eye Contact</b>  | Rinse abundantly with water, seek medical advice.  |
| <b>Ingestion</b>    | Wash out mouth with water and drink plenty of water. Seek medical advice.  |
| <b>Inhalation</b>   | Remove from exposure. Rinse the throat and blow nose clear dust. Seek medical advice.  |

#### 6. FIRE FIGHTING MEASURES

|                                |   |
|--------------------------------|---|
| <b>Suitable Extinguishers</b>  | No special demands. All standard fire-fighting media can be used. |
| <b>Protective Equipment</b>    | Breathing apparatus is required.                                  |
| <b>Advice for firefighters</b> | N/A, No special advice.   |

#### 7. ACCIDENTAL RELEASE MEASURES

|                                    |   |
|------------------------------------|---|
| <b>Personal Precautions</b>        | In case of presence of high concentration of dust, use the same personal equipment as mentioned in section 9.   |
| <b>Environmental Precautions</b>   | Not applicable  |
| <b>Clean-up Procedures</b>         | Vacuum cleaner to remove dust particles. Granules or dust should be damped down prior to removal with water or brushing up. Refer to Section 12 for suitable methods of disposal. |
| <b>Reference to other sections</b> | See Section 8 and 9   |

#### 8. HANDLING & STORAGE

|                              |  |
|------------------------------|--|
| <b>Handling Requirements</b> | When installing insulation in unventilated spaces suitable disposable fire mask should be used. When handling product, cover exposed skin. Wear goggles when working with product overhead. Dispose of waste in accordance with local regulations. Clean area using vacuum equipment. If itching occurs, it may be lessened by rinsing in cold water before washing. |
| <b>Storage Conditions</b>    | Keep material in original packaging protected against humidity and mechanical damage until it is to be used.   |

## 9. EXPOSURE CONTROL & PERSONAL PROTECTION

|  |   |
|--|---|
| <b>Exposure Control</b>                | <b>Occupational exposure limit values</b><br>Mineral wool fibre 1 fibre/cm <sup>3</sup> (FI, SWE, LT)<br><b>Other limit values</b><br>Inorganic dust 10mg/m <sup>3</sup> (FI, SWE, LT) and 0,4 mg/m <sup>3</sup> (PL) |
| <b>Respiratory Control</b>             | When working in unventilated are or during operations which can generate emission of any dust, wear disposable face mask.   |
| <b>Hand Protection</b>                 | Gloves to avoid itching   |
| <b>Eye Protection/ Face Protection</b> | Wear goggles when working overhead  |
| <b>Skin Protection</b>                 | Cover exposed skin  |
| <b>Thermal Hazards</b>                 | Not applicable  |
| <b>Environmental exposure controls</b> | Not applicable  |

## 10. PHYSICAL & CHEMICAL PROPERTIES

|   |  |
|---|--|
| <b>Appearance</b>                                   | Solid, fibrous, grey   |
| <b>Odour</b>  | Odourless  |
| <b>Odour Threshold</b>                              | Not applicable   |
| <b>Ph</b>   | Not applicable   |
| <b>Melting Point / Freezing Point</b>               | Over 1000°C stone wool begins to soften and melt                     |
| <b>Initial Boiling Point &amp; Range</b>            | Not applicable   |
| <b>Flash Point</b>                                  | Not applicable   |
| <b>Evaporation Rate</b>                             | Not applicable   |
| <b>Flammability (solid, gas)</b>                    | Non Combustible  |
| <b>Upper/lower flammability or explosive limits</b> | Not applicable   |
| <b>Vapour Pressure</b>                              | Not applicable   |
| <b>Vapour Density</b>                               | Not applicable   |
| <b>Relative Density</b>                             | 20-250kg/m <sup>3</sup>  |
| <b>Solubility (ies)</b>                             | The products are practically insoluble in water or organic solutions |
| <b>Partition Coefficient: n-octanol/water</b>       | Not applicable   |
| <b>Auto-Ignition Temperature</b>                    | Not applicable   |
| <b>Decomposition Temperature</b>                    | Not applicable   |
| <b>Viscosity</b>                                    | Not applicable   |
| <b>Explosive Properties</b>                         | Not applicable   |
| <b>Oxidising Properties</b>                         | Not applicable   |

## 11. STABILITY & REACTIVITY

|   |  |
|---|--|
| <b>Reactivity</b>                         | Not applicable   |
| <b>Chemical Stability</b>                 | Not applicable   |
| <b>Possibility of Hazardous Reactions</b> | Not applicable   |
| <b>Conditions to Avoid</b>                | Not applicable   |
| <b>Incompatible Materials</b>             | Not applicable   |
| <b>Hazardous Decomposition Products</b>   | Non in normal conditions of use. For high temperature uses:<br>Thermal decomposition of binder starts above 190°C releasing smelling/odorous gases. The duration and amount of release its dependent upon thickness of insulation, binder content and the temperature applied. During first heating, good ventilation or appropriate personal protection equipment are required. |

## 12. TOXICOLOGICAL INFORMATION

|   |   |
|---|---|
| <b>Acute toxicity</b>   | Not toxic   |
| <b>Skin Contact</b>   | The mechanical effect of fibres in contact with skin may cause temporary itching. |
| <b>Eye Contact</b>  | May cause short-term mechanical irritation  |
| <b>Respiratory or skin sensitisation</b>  | May cause short-term mechanical irritation  |
| <b>Delayed / Immediate Effects</b>  | Immediate effects can be expected after short term exposure                       |
| <b>Germ cell mutagenicity<br/>Carcinogenicity<br/>Reproductive Toxicity<br/>STOT-repeated exposure<br/>Aspiration Hazard<br/>Other Informatio</b> | Not applicable  |

## 13. ECOLOGICAL INFORMATION

|                                      |  |
|--------------------------------------|--|
| <b>Toxicity</b>                      | Not toxic                                  |
| <b>Persistence and degradability</b> | Persistent                                 |
| <b>Bio accumulative potential</b>    | A very small possibility for water species |
| <b>Mobility in soil</b>              | A very small possibility                   |
| <b>PBT and vPvB Identification</b>   | Not applicable                             |
| <b>Other adverse effects</b>         | Not applicable                             |

## 14. DISPOSAL CONSIDERATIONS

|                              |   |
|------------------------------|---|
| <b>Disposal Operations</b>   | Dispose of in accordance with local authority requirements<br>Do not discharge into drains or water ways. |
| <b>Disposal of Packaging</b> | Dispose of as normal industrial waste according to local or national legislation                          |

## 15. TRANSPORT HAZARDS

|                          |  |
|--------------------------|--|
| <b>Transport Hazards</b> | No regulations apply for the transport of this material<br>Not classified as hazardous road, rail, sea or air transport. |
|--------------------------|--|

## 16. ADDITIONAL INFORMATION

|                   |  |
|-------------------|--|
| <b>Disclaimer</b> | <p>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.</p> <p>The information given is designed only as a guidance for safe handling, use, processing, storage transportation, disposal and release and is not considered a warranty or quality specification.</p> <p>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.</p> |
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### LIMITATION

BOSS Passive Fire Pty Ltd has provided the above technical information in good faith and to the best of its knowledge. This information was deemed to be correct at the time of publication. Should any data come to BOSS Passive Fire's attention relating to the fire resistance or performance of the product described BOSS Passive Fire reserve the right to amend this report.

BOSS Passive Fire strive to constantly improve and develop products so this information may change without notice.

The information contained herein has been developed as a guide only and it does not constitute a guarantee of compliance of all applications. Each project and/or application may have specific requirements and you should investigate these carefully. Ensure that you have read and understood the appropriate certification relative to your needs, and ensure you seek acceptance from the Certifying Authority or compliance inspector before installation. For updates on the range of BOSS Fire® certification please contact BOSS Technical Services on +61 2 9531 8591.

### FURTHER INFORMATION

For additional technical information on the performance of BOSS Batts, other BOSS Fire® products or any other BOSS Fire® related information please contact us on:

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