

# SAFETY DATA SHEET

## SECTION 1: PRODUCT AND COMPANY INFORMATION

**PRODUCT NAME:** Basroc Panel

**PRESCRIBED USE:** Exterior Wall Cladding

**COMPANY/SUPPLIER:** Basroc Pty Ltd

**ADDRESS:** 8/53-57 Rimfire Dve, Hallam, VIC, 3803

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## SECTION 2: HAZARDS IDENTIFICATION

Classified as **Non-Hazardous** - Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

### GHS Label Elements, including precautionary statements

Pictogram	None
Signal Word	None
Hazard Statement(s)	None
Precautionary Statement(s)	None
Not a hazardous substance or mixture	

**Other Hazards** None

## SECTION 3: COMPOSITION / INGREDIENTS

<u>Chemical Entity</u>	<u>CAS No.</u>	<u>Proportion</u>
Mineral wool fibre	659976-17-3	Greater than 85%
Resin Binder	25104-55-6	Less than 15 %
Solvent Refined Mineral Oil	8012-95-1	Less than 2 %
Other ingredients deemed to be non-hazardous		Less than 2 %

All constituent chemicals are listed in the Australian Inventory of Chemical Substances (AICS)

### Notes:

This product DOES NOT contain asbestos.

This product DOES NOT contain crystalline silica. The particles and fibres are amorphous.

The fibres are bonded together using resin and solvent refined mineral oils in order to minimize the release of dusts.

The cured resin is stable and under normal atmospheric conditions will remain intact for the life of the product.

## **SECTION 4: FIRST AID MEASURES**

### **Inhalation:**

If exposed to excessive levels of dust, leave the area of dust exposure and move the person to fresh air. Remain in a separate location until coughing and other symptoms subside. If symptoms persist, seek medical attention. If not breathing, give artificial respiration.

### **Ingestion:**

If swallowed, Rinse lips and mouth with water. Never give anything by mouth to an unconscious person. Drink plenty of water if accidentally ingested. Emergency procedures are not normally required. May be a temporary irritant to the GI system. If symptoms persist, seek medical attention.

### **Skin Contact:**

In case of skin contact, wash skin with mild soap and water after each exposure. If mechanical irritation occurs, remove contaminated clothing and wash skin gently with water and soap. If itch or discomfort persists, seek medical attention.

### **Eye Contact:**

Immediately flush eyes with copious amounts of water as a precaution. If symptoms persist, seek medical attention.

## **SECTION 5: FIRE FIGHTING MEASURES**

### **Specific Hazards:**

Non-Flammable: However, the plastic wrapping, resin binder and some facings (e.g. vinyl tissue) may decompose or burn in a fire; or when heated to temperatures above 200°C.

When tested in accordance with the Chinese Standard GB/T 11835, this product has a 4 zero fire rating when subjected to early fire hazard tests.

Heat Evolved Index (Rating 0-10)	0
Smoke Developed Index (Rating 0-10)	0
Spread of Flame Index (Rating 0-10)	0
Ignitability Index (Rating 0-20)	0

### **Suitable Fire Extinguishing Media:**

Use water spray, water fog, alcohol-resistant foam, dry chemical or carbon dioxide.

### **Special Protective Equipment for Fire-fighters:**

Wear self-contained breathing apparatus and protective clothing to reduce risk of exposure.

### **Hazchem Code:**

None allocated.

### **Hazardous products of combustion:**

Resin Binders and facings may decompose, smoulder or burn in fire situations or if heated to temperatures over 200°C.

## **SECTION 6: ACCIDENTAL RELEASE**

### **Emergency procedures:**

If product is torn, reseal or cover to minimise fibre release. Place in sealed bag or reuse where possible.

### **Methods for cleaning up:**

Personnel directly involved in clean-up of loose material should wear personal protective equipment as described in Section 8 in order to prevent potential irritation. Clean area so as to avoid dispersion of loose material or fibres, use a wet sweep method or micro-filter vacuum cleaner.

Where disposal is required, place in a sealed bag for disposal according to local authority guidelines.

### **Personal Precautions**

Wear appropriate protective clothing.

Refer to exposure control/personal protection for more detail.

### **Environmental Precautions**

Prevent fibres and debris from entering waterways, keep product sealed and in suitable containers for disposal.

## **SECTION 7: HANDLING AND STORAGE**

### **Handling:**

The product is safe in use. Once installed, Mineral Wool does not release dust or fibres. Handling, installing or removing the product may result in some dust and airborne fibre. Minimise eye or skin contact and inhalation during handling, installation and removal. Provide appropriate exhaust ventilation at places where dust is formed. Ensure appropriate PPE is worn as described in Section 8 in order to minimise eye or skin contact. Ensure any PPE is removed prior to entering eating areas. Ensure good personal hygiene guidelines are followed, including washing hands before eating.

### **Storage:**

Must be stored under cover in cool, dry conditions, away from food products. The Mineral wool should be stored to avoid excessive compression; Heavy objects must not be stacked on the product.

Ensure that packaging is appropriately labelled, sealed when not in use and protected from physical damage, particularly exposure to UV light/direct sunlight for long periods of time.

Storage class (TRGS 510): Non-Combustible Solids

### **Incompatibilities:**

None.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Standards:

#### *Control parameters 10mg/m<sup>3</sup> (TWA)*

For those applications where MMVF is combined with other material such that the proportion of respirable fibres is extremely low or is difficult to measure because of the larger portion of non-fibrous MMVF material, it is appropriate to apply the exposure standard for nuisance dusts of 10mg/m<sup>3</sup>, measured as inhalable dust (8-hour TWA).

Note: IARC has classified mineral woods (glass wool, rock wool (stone wool), slag wool and continuous glass filament) as IARC Category 3: not classifiable of a to carcinogenicity in humans.

### Exposure Controls:

*Appropriate Engineering Controls*

General industrial hygiene practice

### Personal protective equipment

#### **Respiratory protection**

Avoid breathing fibres. Wear a respirator with filter complying with AS/NZS 1715 & AS/NZS 1716 in situations where ventilation is poor, where the TLV is exceeded and/or when dusty conditions are present. Selection of appropriate breathing protection will depend on actual airborne concentrations and exposure levels.

#### **Hand protection**

Impervious rubber or PVC gloves should be worn to minimise skin contact.

#### **Eye protection**

Safety glasses with side shields, goggles or face shield should be worn in accordance with AS/NZS 1337 in order to avoid eye irritation.

Eyewash fountains in the vicinity of points of potential exposure are recommended.

#### **Skin and body protection**

If prolonged or repeated contact with material is likely, protective clothing such as an apron made of a suitable resistant material (PVC, neoprene, nitrile or butyl rubber) should be worn.

For general handling, long sleeve shirts & long trousers should be worn as a minimum. See AS 2161, AS 2210 & AS 2919 for further information if required.

Safety Showers in the vicinity of points of potential exposure are recommended.

#### **Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the toilet and at the end of the working period.

Food, beverages and tobacco products should not be stored or consumed in areas where this product is to be used.

Any clothes worn should be washed separately from other clothes before storage or re-use.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Form: Solid matt of fibrous material resembling wool. Facings, size and rigidity vary depending on final application. Typical facings include Aluminium foil, vinyl & synthetic tissues.
<b>pH:</b>	Not applicable
<b>Odour:</b>	Typically odourless, however may have a faint amine odour.
<b>Flash Point:</b>	Not applicable
<b>Melting Point:</b>	Greater than 1000°C.
<b>Boiling Point:</b>	Not Determined
<b>Upper Explosive Limit:</b>	Not applicable
<b>Lower Explosive Limit:</b>	Not applicable
<b>Specific Gravity:</b>	Low, variable depending on facings.
<b>Ignition temperature:</b>	Not applicable
<b>Viscosity:</b>	Not applicable
<b>Vapour Pressure:</b>	Not applicable
<b>Water Solubility:</b>	Negligible
<b>Vapour Density:</b>	Not applicable
<b>Self-Accelerating Decomposition Temperature:</b>	650°C

## **SECTION 10: STABILITY AND REACTIVITY**

### **Stability:**

Stable under ambient conditions of use and storage.

The cured resin is stable and will remain intact for the life of the product under normal atmospheric conditions.

### **Conditions to avoid:**

No reported incompatibilities.

Avoid physical damage to the product and exposure to direct sunlight/UV light.

### **Materials to avoid:**

Acids, alkalis or organic solvents may cause degradation of the resin binder.

### **Hazardous decomposition:**

No data available

### **Hazardous polymerisation:**

No data available

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **Toxicology data:**

The fibre component of these products is classified by Safe Work Australia (formerly ASCC/NOHSC) as Mineral Wool (not elsewhere specified).

### **Carcinogenicity:**

None. Owing to its high bio-solubility, the fibre used in this mineral (stone) wool insulation materials is assessed as free from suspicion of possible carcinogenic effects in accordance with Regulation (EC) No 1272/2008 (ref. Nota Q). In October 2001, the International Agency for Research on Cancer (IARC) classified this mineral (stone) wool insulation as Group 3 (not classifiable as to its carcinogenicity in humans) ie not suspected of causing cancer in humans.

### **Health Effects:**

Products may release gases such as Carbon Dioxide (CO<sub>2</sub>), Formaldehyde and Amines from the resin bonding agent, especially when used in high temperature applications (above 200C). These are irritating to the eyes, nose and throat.

During initial heat up in confined or poorly ventilated areas, use air supplied respirators.

### **Inhalation:**

Unprotected exposure to high levels of dust may cause discomfort to the nose, throat and respiratory tract, especially in those suffering from hay fever, asthma or bronchitis.

### **Swallowed:**

May result in temporary itching of the lips, mouth and throat. Large amounts may cause gagging, vomiting and irritation of the throat.

### **Eye:**

May cause eye irritation causing watering and redness.

### **Skin:**

Handling repeatedly may cause temporary itching of exposed skin due to mechanical irritation not allergy.

## **SECTION 12: ECOLOGICAL INFORMATION**

Full ecological studies have not been completed on this product. Some data is available on the listed components.

### **Ecotoxicity:**

Neither the raw materials or the finished product contain any ozone-depleting chemicals.

Binder-coated rock wool is hydrophobic; therefore, no adverse environmental effects would be expected if this product were to be accidentally released in the water or soil.

No harm to fish or wildlife would be caused by this product.

### **Persistence/Degradability:**

Will not bio-accumulate. Less than 1% leachable organic carbon if landfilled. Inert inorganic product with Thermo-set, inert polymer bonding agent derived from plant starches; 0-13%.

### **Mobility:**

Not applicable.

### **Bioaccumulative potential:**

This product is not expected to bioaccumulate through food chains in the environment

### **SECTION 13: DISPOSAL CONSIDERATIONS**

**Method of disposal:**

Place in plastic bags or containers and close or seal for disposal in accordance with local authority guidelines. Label as NON-HAZARDOUS insulation wool or as general building waste (non-hazardous), as appropriate to assist local authorities waste disposal sites.

Use protective equipment as described in Section 8 when handling any uncontained material.

### **SECTION 14: TRANSPORT INFORMATION**

**Not classified as Dangerous Goods according to the ADG Code.**

**Not subject to transport regulations.**

<b>ADG:</b>	Not regulated
<b>IMDG:</b>	Not regulated
<b>ICAO/IATA:</b>	Not regulated

**UN Number:** None assigned

**UN Proper Shipping Name:** None assigned

**Dangerous Goods Class/  
and subsidiary risk:** None assigned

**Packing Group:** None assigned

**Hazchem Code:** None assigned

### **SECTION 15: REGULATORY INFORMATION**

**Poisons Schedule:** None

**Poisons Information Centre:** 13 11 26 (Australia Wide)

## SECTION 16: OTHER INFORMATION

**MSDS Issue Date:** August 2022  
**Version:** 1.3  
**Due for Revision:** July 2024

### Standards Referenced:

AS/NZS 1336	Recommended practices for Occupational Eye Protection
AS/NZS 1715	Selection, use and maintenance of Respiratory Protective Devices
AS/NZS 1716	Respiratory Protective Devices
AS/NZS 2161	Occupational Protective Gloves
Chinese Standard GB/T 11835	Rock wool, slag wool and its products for thermal insulation.

### Key to Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
ADG	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
ASCC	Australian Safety and Compensation Council
CAS	Chemical Abstracts Service Registry Number
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
HSIS	Hazardous Substances Information System
ICAO	International Civil Aviation Organisation
IATA	International Air Transport Association
IMDG	International Maritime Organisation Rules
STEL	Short term exposure limit
TWA	Time weighted average
LC <sub>Lo</sub>	Lethal Concentration Low – lowest concentration causing death
LD <sub>Lo</sub>	Lethal Dose Low – lowest dose causing death
LC <sub>50</sub>	Lethal Concentration required to kill 50% of test population
EC <sub>50</sub>	Half maximal effective concentration

### This SDS has been prepared and issued by:

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*The information contained herein is based on the present state of our knowledge. This document characterises the product with regards to the appropriate safety precautions and is only proposed as a guide when applied for its intended use. Each intended user should consult this SDS and perform their own appropriate risk assessment in context to how the product will be handled and used in the workplace. Sharp and Howells Pty Ltd will not be responsible for any loss or damages resulting from use of or reliance on the information and advice contained herein.*