



SAFETY DATA SHEET "FIRE WISE INSTANT BRICK"

| SECTION 1 – PRODUCT IDENTIFICATION | | | |
|------------------------------------|--|--------------|--|
| Product Name: | "INSTANT BRICK CASTABLE CEMENT" | | |
| Distributor: | Rubbedin Pty Ltd | | |
| Address: | Unit 1/43 Neumann Road Capalaba QLD 4157 | | |
| Regular Phone No: | (07) 3245 3255 | FAX: | (07) 3245 2554 |
| Emergency Phone No: | 0405358685 | Email: | info@rubbedin.com.au |
| Substance: | Powder | Product Use: | For repair or replacing loose or broken fuel stove bricks. |
| Product Code: | 40-00 | | |

| SECTION 2 – HAZARDS IDENTIFICATION | |
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| Classification of the substance or mixture | |
| SUSMP Poisons Schedule | This product is NOT classified as a Scheduled Poison according to the SUSMP |
| Dangerous Goods | This product is NOT classified as Dangerous Goods according to the Australian Dangerous Goods Code. |
| GHS Classification | Specific Target Organ Toxicity (Repeated Exposure) - Category 2 Carcinogenicity – Category 1 |
| Label elements | |
| GHS label pictograms | Health Hazard |
| Signal word | DANGER |
| Hazard statement(s) | |
| | May cause damage to organs through prolonged or repeated exposure. May cause cancer |
| Precautionary statement(s): General | |
| | Keep out of reach of children. |
| Precautionary statement(s): Prevention | |
| | Do not breathe dust. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. |
| Precautionary statement(s): Response | |
| | Get medical advice if you feel unwell. IF exposed or concerned: Get medical advice. |
| Precautionary statement(s): Storage | |
| | Store locked up, in accordance with local regulatory requirements. |
| Precautionary statement(s): Disposal | |
| | Dispose of contents/container in accordance with local regulations |
| Note | |
| IMPORTANT | This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. Good hygiene/housekeeping practices should be adhered to. |

| SECTION 3 – INGREDIENTS | | |
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| Ingredients: | CAS Number: | Proportion: |
| Ingredients determined to be non-hazardous at the concentrations used. | Various | >60% w/w |
| Silica Quartz Sand | 14808-60-7 | 10 - 30% w/w |
| Cristobalite | 14464-46-1 | |



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NOTE: Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from SWA publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the SWA publication "Approved Criteria for Classifying Hazardous Substances", or have been found NOT to meet the criteria of a dangerous substance as defined in the GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS). Listed ingredients may be below the cut-off concentrations for classification as hazardous, but are listed for information purposes and for additive effects.

SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

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| Scheduled Poisons | Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766). |
| First Aid Facilities | Normal washroom facilities. |
| Skin contact | Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops. |
| Eye contact | Immediately irrigate with water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist) if any irritation persists. |
| Ingestion | Do NOT induce vomiting. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor). |
| Inhalation | Remove victim to fresh air away from exposure - avoid becoming a casualty. Seek medical advice (e.g. doctor) if symptoms persist. |
| Advice to Doctor | Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. |
| Aggravated Medical Conditions | None known. |

SECTION 5 – FIRE FIGHTING MEASURES

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| Fire and Explosion Hazards | Not combustible. However if involved in a fire will emit toxic fumes. |
| Extinguishing Media | Use an extinguishing media suitable for surrounding fires. |
| Fire Fighting | Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire. |
| Flash Point | Not combustible. |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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| Emergency Procedures | No HAZCHEM code. |
| Occupational Release | Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. For large spills, or tank rupture, consider initial evacuation distance of 200 metres in all directions. Stop leak if safe to do so. If available, use water spray to disperse vapour. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services. |

SECTION 7 – HANDLING AND STORAGE





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| Handling | Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling. |
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| Storage | Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks. |
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SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

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| Exposure Limits | National Occupational Exposure Limits, as published by Safe Work Australia: Time-weighted Average (TWA): None established for specific product. Exposure Limits of individual ingredients. Nuisance dust: 8hr TWA = 10 mg/m ³ . Silica Quartz Sand Cristobalite: 0.1 mg/m ³ (respirable dust). Short Term Exposure Limit (STEL): None established for specific product. |
| Engineering Controls | No special requirements. |
| Personal Protective Equipment | Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available; |
| Eye Protection  | The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard ; soft lenses may absorb irritants and all lenses concentrate them. |
| Skin Protection   | Wear gloves to handle as per label directions. Overalls, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc. |
| Protective Material Types | Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile. |
| Respirator  | Not required for small use applications as per normal label applications. Consider a particle dust mask or respirator if dust hazard exists. |

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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| Physical State | Powder | Colour | Tan / grey |
| Odour | Nil | Specific Gravity | 1.8 – 2.0 @ 25 °C |
| Boiling Point | Not available | Freezing Point | Not available |
| Vapour Pressure | Not available | Vapour Density | Not available |
| Flash Point | Not flammable | Flammable Limits | None |
| Water Solubility | Miscible in all proportions | pH | 11.0 initial in water |
| Volatile Organic Compounds (VOC) | 0 % v/v | Coefficient of Water/Oil Distribution | Not available |
| Viscosity | Not available | Odour Threshold | Not available |
| Evaporation Rate | Not available | Per Cent Volatile | Ca 1 % v/v |

SECTION 10 – STABILITY AND REACTIVITY

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| Chemical Stability | Stable at normal temperatures and pressure. |
| Conditions to Avoid | Not known. |
| Incompatible Materials | Not known. |
| Hazardous Decomposition | Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours. |



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| Hazardous Reactions | None known. |
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| SECTION 11 – TOXICOLOGICAL INFORMATION | |
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| POTENTIAL HEALTH EFFECTS | |
| No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are: | |
| Ingestion | |
| short term exposure | Swallowing may result in a burning sensation in the mouth, throat, oesophagus and digestive system. |
| long term exposure | No information available. |
| Skin contact | |
| short term exposure | This product is mildly irritating to skin. Persons with pre-existing skin conditions may be sensitive to this product. In contact with water, an alkaline solution will be formed (pH 11 – 11.5). |
| long term exposure | Prolonged and repeated skin contact with undiluted solutions may induce eczematoid dermatitis. |
| Eye contact | |
| short term exposure | This product is irritating to eyes. |
| long term exposure | No information available. |
| Inhalation | |
| short term exposure | This product is irritating to the respiratory system if inhaled as a generated dust. This product may cause nose and throat irritation, coughing and shortness of breath. |
| long term exposure | <p>Repeated exposure by inhalation of dusts may cause serious chronic effects. Silica products contain crystalline silica, and when using the dry product, a portion of this may become airborne as respirable dust. Repeated exposure to respirable crystalline silica dust may lead to silicosis, a serious lung disease. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or sign of ill health have occurred. Silicosis can develop to a more serious degree even after exposures have ceased, and may lead to other diseases including heart disease and scleroderma. Development of silicosis may increase the risk of later development of lung cancer.</p> <p>The toxicity of crystalline silica is directly proportional to the ability of any particle to reach the lower respiratory tract. Quartz particles with an aerodynamic diameter below 10um are likely to be most harmful to humans, as they reach the lower respiratory tract and are less readily removed by the lungs. Increases in lung cancer have been attributed to the inhalation of crystalline silica in a number of industries, including: ore mining; quarrying and granite works; ceramics pottery, refractory brick and diatomaceous earth industries; and in foundry workers.</p> <p>The International Agency for Research on Cancer has classified crystalline silica as a Group 1 Carcinogen – Carcinogenic to Humans, based on sufficient evidence in humans and animals. Increasing in vitro and in vivo evidence suggests that lung carcinomas in rats are a result of marked and persistent inflammation and epithelial proliferation.</p> |
| Carcinogen Status | |
| SWA | No significant ingredient is classified as carcinogenic by SWA. |
| NTP | No significant ingredient is classified as carcinogenic by NTP. |
| IARC | The International Agency for Research on Cancer has classified crystalline silica as a Group 1 Carcinogen – Carcinogenic to Humans, based on sufficient evidence in humans and animals. |
| Respiratory sensitisation | Not expected to be a respiratory sensitizer. |
| Skin Sensitisation | Not expected to be a skin sensitizer. |
| Germ cell mutagenicity | Not considered to be a mutagenic hazard. |
| Reproductive Toxicity | Not considered to be toxic to reproduction. |
| STOT-single exposure | Not expected to cause toxicity to a specific target organ. |



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| STOT-repeated exposure | See Inhalation – long term exposure (above). |
| Aspiration Hazard | Not expected to be an aspiration hazard. |

SECTION 12 – ECOLOGICAL INFORMATION

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| Eco-toxicity Product (as sold) | None available for specific product. Not expected to be aqua-toxic. |
| Persistence and degradability | A cement and sand based building mortar that is mineral and inorganic based – not biodegradable. |
| Bio accumulative potential | None available for specific product |
| Mobility in soil | None available for specific product |
| Other adverse effects | None available for specific product |
| Environmental Protection | As with any chemical product, do not discharge BULK quantities into drains, waterways, sewer or environment. Inform local authorities if this occurs. |

SECTION 13 – DISPOSAL CONSIDERATIONS

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| Disposal | To dispose of quantities of undiluted product, refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. As with any chemical, do not put down the drain in quantity. |
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SECTION 14 – TRANSPORT INFORMATION

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| Labels Required | | | |
| ADG | Not classified as Dangerous Goods. | | |
| IMDG Marine Pollutant | No | | |
| HAZCHEM | None allocated | | |
| Land Transport (ADG) | | | |
| UN Number | none allocated | ADG Classification | none allocated |
| Shipping Name | none allocated | ADG Subsidiary Risk | none allocated |
| Hazchem Code | none allocated | Packing Group | none allocated |
| Packaging Method | none allocated | Special Provisions | none allocated |
| Segregation | none allocated | | |

SECTION 15 – REGULATORY INFORMATION

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| GHS Classification | This product is classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. |
| SUSMP | This product is NOT classified as a Scheduled Poison according to the SUSMP. |
| ADG Code | This product is NOT classified as Dangerous Goods according to the Australian Dangerous Goods Code. |
| AICS | All ingredients present on AICS. |

SECTION 16 – OTHER INFORMATION

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| Issue Date | 5 November 2021 |
| Version Number | V 3.0 |
| Abbreviations and acronyms | ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail. AICS: Australian Inventory of Chemical Substances. CAS Number: Chemical Abstracts Service Registry Number. GHS: Globally Harmonized System of Classification and Labelling of Chemicals HAZCHEM: An emergency action code of numbers and letters which gives information to |



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| | <p>emergency services. HCIS: Hazardous Chemicals Information System IARC: International Agency for Research on Cancer. NTP: National Toxicology Program (USA). SDS: Safety Data Sheet SWA: Safe Work Australia STEL: Short Term Exposure Limit. SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons. TWA: Time Weighted Average. UN Number: United Nations Number.</p> |
| <p>Literature references</p> | <p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia) GHS Hazardous Chemical Information List (Safe Work Australia) Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Global Harmonized System of Classification and Labelling of Chemicals (GHS) “Australian Exposure Standards”. Safework Australia Australian Code For The Transport Of Dangerous Goods By Road And Rail Standard for the Uniform Scheduling of Medicines and Poisons Safety Data Sheets – individual raw materials – Suppliers HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base.</p> |
| <p>This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier. The SDS is valid for five years from date of issue but may be withdrawn and revised at any time prior to that date. All information contained in the Data Sheet is as accurate as possible at the time of issue. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. No expressed or implied warranties nor any responsibility for damages resulting from use of the information are given other than those implied mandatory by Commonwealth, State or Territory Legislation. If this product is to be re-packaged by others, it will be necessary for a new SDS to be generated by the re-packer.</p> | |
| <p>End of SDS</p> | |