SECTION 1 – PRODUCT IDENTIFICATION

Product Name: BLACK PATCH STOVE PUTTY
Product Code: 30-00 R1
Use: High Temperature Putty
Manufacturer: Rubbedin Pty Ltd
Emergency Phone No: 0405358685
Regular Phone No: (07) 3245 3255
Fax: (07) 3245 2554
Email: info@rubbedin.com.au
Address: Unit 1/43 Neumann Road Capalaba QLD 4157

SECTION 2 – HAZARDS IDENTIFICATION

GHS - GLOBALLY HARMONISED SYSTEM

GHS Classification Not hazardous
Pictogram None allocated.
Signal Word None allocated.
Hazard Statement(s) None allocated.
Precautionary statement(s)
Prevention None allocated.
Response None allocated.
Storage None allocated.
Disposal None allocated.

ADG CODE

UN Number none allocated
Shipping Name none allocated
Hazchem Code none allocated

POISON SCHEDULES

SUSMP Classification Not scheduled

EMERGENCY OVERVIEW

Colour black
Odour none
Physical Description putty
Viscosity putty
Major Health Hazards None known

SECTION 3 – INGREDIENTS

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication “List of Designated Hazardous Substances” or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication “Approved Criteria for Classifying Hazardous Substances”.

<table>
<thead>
<tr>
<th>Ingredients determined to be non-hazardous</th>
<th>CAS Number:</th>
<th>Proportion:</th>
<th>Exposure Standards TWA</th>
<th>Exposure Standards STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Various</td>
<td>7732-18-5</td>
<td>&lt;10% w/w</td>
<td>not set</td>
<td>not set</td>
</tr>
<tr>
<td>Silica Quartz Sand</td>
<td>14808-60-7</td>
<td>10 - 30% w/w</td>
<td>0.1 mg/m3 (respirable dust)</td>
<td>not set</td>
</tr>
<tr>
<td>Cristobalite</td>
<td>14464-46-1</td>
<td>&gt;60% w/w</td>
<td>not set</td>
<td>not set</td>
</tr>
</tbody>
</table>

The TWA exposure value is the Time Weighted Average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term “peak” is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.
SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

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.

SECTION 5 – FIRE FIGHTING MEASURES

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

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, 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. Split material may result in a slip hazard and should be swept or shoveled up, 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

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.

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.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION
Exposure Limits
National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:

**Time-weighted Average (TWA):** None established for specific product.
See SECTION 3 for Exposure Limits of individual ingredients.

**Short Term Exposure Limit (STEL):** None established for specific product.
See SECTION 3 for Exposure Limits of individual ingredients.

Biological Limit Value
None established for product.

Engineering Limit Value
None established for product.

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. Overall, 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 (eg sanding of dried putty).

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>putty</td>
</tr>
<tr>
<td>Odour</td>
<td>nil</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Miscible in all proportions</td>
</tr>
<tr>
<td>Volatile Organic Compounds (VOC)</td>
<td>0 % v/v</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Colour</td>
<td>black</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.5 @ 25 °C</td>
</tr>
<tr>
<td>Freezing/melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>11.0 initial in water</td>
</tr>
<tr>
<td>Coefficient of Water/Oil</td>
<td>Distribution Not available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Per Cent Volatile</td>
<td>Ca 5 % v/v</td>
</tr>
</tbody>
</table>

### SECTION 10 – STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Stability</td>
<td>Stable at normal temperatures and pressure.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>None known.</td>
</tr>
<tr>
<td>Incompatible Materials</td>
<td>None known.</td>
</tr>
<tr>
<td>Hazardous</td>
<td>Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.</td>
</tr>
<tr>
<td>Decomposition</td>
<td>None known.</td>
</tr>
<tr>
<td>Hazardous Reactions</td>
<td>None known.</td>
</tr>
</tbody>
</table>

### SECTION 11 – TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT MIXTURE INFORMATION</td>
<td></td>
</tr>
<tr>
<td>Local Effects</td>
<td>Irritant</td>
</tr>
<tr>
<td>Target Organs</td>
<td>Eyes and skin</td>
</tr>
<tr>
<td>POTENTIAL HEALTH EFFECTS</td>
<td></td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET
“BLACK PATCH STOVE PUTTY”

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.

**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**  
Not a dust hazard in moist form as supplied. Not a dust hazard when set. Sanding or grinding of set dry putty will generate dust. This may be 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**  
Repeated exposure by inhalation of dry dust 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 signs 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.

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.

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.

**Carcinogen Status**

**NOHSC**  
No significant ingredient is classified as carcinogenic by NOHSC.

**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.

**Medical conditions aggravated by exposure**  
No information available.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Fish toxicity**  
None available for specific product. Not expected to be aqua-toxic.

**Algae toxicity**  
None available for specific product.
Invertebrates toxicity None available for specific product.
Toxicity to Bacteria None available for specific product.
OECD Biological degradation A cement and sand based building mortar that is mineral and inorganic based – not biodegradable.
General 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
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.

SECTION 14 – TRANSPORT INFORMATION
ADG CODE – ROAD & RAIL
| 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 |

IATA - AIR
| UN Number   | none allocated | Classification | none allocated |
| Shipping Name | none allocated | Subsidiary Risk | none allocated |
| Hazchem Code | none allocated | Packing Group | none allocated |
| Packaging Method | none allocated | Special Provisions | none allocated |
| Segregation | none allocated |

IMDG - SEA
| UN Number   | none allocated | Classification | none allocated |
| Shipping Name | none allocated | Subsidiary Risk | none allocated |
| Hazchem Code | none allocated | Packing Group | none allocated |
| EMS | none allocated | Special Provisions | none allocated |
| Segregation | none allocated |

SECTION 15 – REGULATORY INFORMATION
AICS All ingredients present on AICS.
GHS Classification Not hazardous
SUSMP None allocated
ADG Code None allocated

SECTION 16 – OTHER INFORMATION
Acronyms
SUSMP Standard for the Uniform Scheduling of Medicines and Poisons.
ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail.
CAS Number Chemical Abstracts Service Registry Number.
UN Number United Nations Number.
HAZCHEM An emergency action code of numbers and letters which gives information to emergency services.
NTP National Toxicology Program (USA).
IARC International Agency for Research on Cancer.
AICS Australian Inventory of Chemical Substances.
TWA Time Weighted Average
STEL Short Term Exposure Limit
SAFETY DATA SHEET
“BLACK PATCH STOVE PUTTY”

Literature References
List of Designated Hazardous Substances [NOHSC:10005(1999)]
Australian Code For The Transport Of Dangerous Goods By Road And Rail – 7th
Edition.
National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition
[NOHSC:2011(2003)]
Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
HSIS – Hazardous Substance Information System – National Worksafe Data Base.
Labelling of workplace hazardous chemicals, Code of Practice, DEC 2011
Guidance on the classification of hazardous chemicals under the WHS Regulations,
Implementation of the Globally Harmonised System of classification and labeling of
chemicals (GHS) APRIL 2012
Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Third
revised edition.

Revision Information
New Issue to standard : PREPARATION OF SAFETY DATA SHEETS FOR
HAZARDOUS CHEMICALS Code of Practice DECEMBER 2011

Note
Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

Contact Point
Regulatory Affairs Manager. Telephone (07) 3245 3255

Issue Date
June 2013 Supersedes Issue Date 2008

This MSDS 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 MSDS 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 MSDS 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. As per the Worksafe Guidance Note NOHSC 3017, each used should review the information in the specific context of the intended application. No expressed or implied warranties nor any responsibility for damages resulting from sue 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 MSDS to be generated by the re-packer.