

SAFETY DATA SHEET INFORMATION

For further information: Please refer to the Safety Data Sheet following

Issue: September 19

PRODUCT: Robertson's Fast Steel Putty (Black & Grey)

Other Names: Steel Frame Linseed Oil Putty

Uses: Glazing steel frame windows

Signal Word: None

UN No.:	None
Dangerous Goods Class:	None
Subsidiary Risk:	None
Packing Group:	None
Hazchem Code:	None
Poisons Schedule:	None

Hazard Category:	This product is classified as not hazardous in accordance with GHS criteria in Australia
Hazard Statement:	Not hazardous
GHS Classification:	No GHS Hazard Classification applies

Physical Characteristics (Typical)		Section 9 of the SDS
Appearance	Black or Grey coloured semi solid putty	
Boiling Point/Range (°C):	Not Available	
Flash Point (°C):	Not applicable	
Specific Gravity/Density (g/ml @ 15°C):	Approximately 2.2	
pH:	No data available	
Chemical Stability:	Stable at room temperature and pressure	
Reactivity:	Excessive heat, oxidising agents, and sources of ignition	

Product Ingredients			Section 3 of the SDS
Ingredient	CAS Number	Proportion	
Calcium Carbonate	1317-65-3	80-90%	
Linseed Oil	8001-26-1	10-15%	
White Spirits	64742-82-1	<1%	

For further ingredients information, please refer to the full MSDS

GHS Pictograms	Section 2 of the SDS

DEFINITIONS

Dangerous Goods	Products that are regulated for transport under the UN International guidelines are classified as Dangerous Goods. Products can be classified by their physical characteristics and may have only one Dangerous Goods designation, although may have a subsidiary risk. These products may be Dangerous Goods for transport by Air and Sea, but may not be classed as Dangerous Goods by Road and Rail in Australia. Refer to the Australian Code for Transport of Dangerous Goods by Road and Rail (ADG) for more information.
Hazardous Substances	Hazardous Substances are those products that are intrinsically hazardous by virtue of their chemical nature, rather than as a condition of their misuse. These hazards include mutagens, teratogens, carcinogens, and products that are harmful or irritant in nature. These products may or may not carry a Dangerous Goods classification.
Poisons	Poisons are products that are regulated by the dose or exposure, often having physical and chemical effects at certain concentrations particular to the nature of the product. The associated warnings, cautions and First Aid instruction are prescriptive under the regulation in Australia.

1. IDENTIFICATION

Product Name: Robertson's Fast Steel Putty (Black & Grey)
Other Names: Steel Frame Linseed Oil Putty
Recommended Use: Glazing steel frame windows
Supplier: Robertson's Paints Pty Ltd.
ABN: 36 122 588 130
Address: 6 Christie Street, St Marys NSW 2760
PO Box 263, St Marys NSW 1790
Telephone: +61 2 9623 4022 (Business hours)
Fax: +61 2 9673 1460
Emergency Phone: +61 410 453 403 (After Hours)

2. HAZARDS IDENTIFICATION

Hazard Category

This product is classified as not hazardous in accordance with GHS criteria in Australia

GHS Classification

No GHS Hazard Classification applies

GHS Pictograms

Hazard Statement

Not hazardous

Hazard Statements

Not hazardous

Precautionary Statements

Not hazardous

Dangerous Goods Classification: None

Poisons Schedule: None

Signal Word: None

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS Number	Proportion (% v/v)
Calcium Carbonate	1317-65-3	80-90%
Linseed Oil	8001-26-1	10-15%
White Spirits	64742-82-1	<1%
Naphtha, Petroleum, Hydrodesulfurized Heavy	64742-82-1	<1%
Solvent Naphtha (petroleum) Light Aromatic	64742-95-6	<1%
Ingredients determined not to be hazardous	Not Available	Balance to 100%

4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 11 26) or a doctor.

Ingestion

If swallowed, DO NOT induce vomiting. Give a glass of water. Keep at rest. Seek immediate medical attention.

Eye Contact

Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.

Skin Contact

Wash area with water soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

Inhalation

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Seek immediate medical attention.

First Aid Facilities

Provide eye baths and safety showers.

Medical Attention

Treat according to symptoms.

5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress providing fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable Extinguishing Media

If material is involved in a fire use water fog, fine water spray, foam or dry agent

Hazards from combustion products

Combustible material

Precautions for fire fighters and special protective equipment

Fully self-contained breathing apparatus

Hazchem Code

None

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours or dusts from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and materials for containment

Major Land Spill

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard, where present.
- Prevent product from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled product using the resources in the spill kit.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”

Major Water Spill

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard, where present.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”.

7. HANDLING AND STORAGE

Precautions for Safe Handling

This product is combustible. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Use grounding leads to avoid discharge (electrical spark).

Conditions for Safe Storage

Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers - residual vapours are combustible. This product will fuel a fire in progress.

Incompatible Materials

Oxidising agents

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: 10 mg/m³, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short term exposure limit (STEL) is: None specified, which is the maximum allowable exposure concentration at any time. Replacing a TWA or STEL value for some products is a Peak Limitation value (Peak): None applies in this case. In addition to the exposure concentrations may be a subsidiary caution in such cases where the product is a skin sensitiser, represented as (Sen), where None applies in this case.

Biological Limit Values (BLV)

No data available

Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof equipment.

Personal Protective Equipment

Respiratory Protection: Where concentrations in air may approach or exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type 'A' filter material is considered suitable for this product.

Eye Protection: Always use safety glasses or a face shield when handling this product.

Skin/Body Protection: Always wear long sleeves, long trousers, or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves be worn when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical Value
Appearance	None	Black or Grey coloured semi solid putty
Boiling Point/Range	°C	Not Available
Flash Point	°C	Not applicable
SG/Density (@ 15°C)	g/ml; kgm ⁻³	Approximately 2.2
Vapour Pressure @ 20°C	kPa	No data available
Vapour Density @ 20°C	g/ml; kgm ⁻³	No data available
Autoignition Temperature	°C	No data available
Explosive Limits in Air	% vol/vol	No data available - No data available
Viscosity @ 20°C	cPs, mPas	No data available
Percent volatiles	% vol/vol	No data available
Acidity/alkalinity as pH	None	No data available
Solubility in Water	g/l	Miscible with water
Other solvents	-	Alcohols

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Technical Data Sheet.

10. STABILITY AND REACTIVITY

Chemical stability

Stable at room temperature and pressure

Conditions to avoid

Excessive heat, oxidising agents, and sources of ignition

Hazardous decomposition products

Carbon monoxide, carbon dioxide, other complexes on incomplete burning or oxidation

Hazardous reactions

None established

Hazardous polymerisation

Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

This product is likely to cause discomfort on swallowing and may result in gastric disturbance and soft tissue irritation.

Eye Contact

Eye contact with this product may cause discomfort, but will be relieved with First Aid.

Skin Contact

Contact with this product may result in mild irritations evidenced by itchiness, redness, and dryness of the affected area.

Inhalation

Mists of this product may be uncomfortable on inhalation. Vapours are unlikely to be apparent except at elevated temperatures.

Chronic Effects

This product has been classified as non-hazardous

Other Health Effects Information

Persons with pre-existing skin or respiratory conditions may be sensitive to this product.

Toxicological Information

Oral LD₅₀: Not determined

Dermal LD₅₀: Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity:

Fish Toxicity LC₅₀: No information available

Daphnia Magna EC₅₀: No information available

Blue-green algae: No information available

Green algae: No information available

Persistence/Biodegradability: No information available

Mobility: This product will be mobile on release to the environment, risking contamination of waterways, soils and grasslands

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain product residue that may be harmful. Ensure that empty packaging is managed in accordance with Dangerous Goods regulations.

Special Precautions

This product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product should be treated and disposed through chemical waste treatment, or considered for use in recycling.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	None	UN No.	None	UN No.	None
Proper Shipping Name	N/A	Proper Shipping Name	N/A	Proper Shipping Name	N/A

DG Class	None	DG Class	None	DG Class	None
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Packing Group	None	Packing Group	None	Packing Group	None
Hazchem	None	Hazchem	None	Hazchem	None

Dangerous Goods Segregation

This product is not regulated for transport by Road and Rail.

15. REGULATORY INFORMATION

Country/Region: Australia

Inventory: AICS

Status: Listed

Poisons Schedule: None

16. OTHER INFORMATION

Reasons for Issue: Upgrade to GHS SDS format; amalgamated supplier and regulatory changes in all sections.

Abbreviations:

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

GHS: Global Harmonised System

IARC: International Agency for Research on Cancer

PPE: Personal Protective Equipment

N/R: Non-regulated

N/A: Not applicable

UN: United Nations

References:

- Supplier Safety Data Sheets
- <http://hsis.safework.gov.au/SearchHS.aspx> (September 19)
- Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (September 19)
- Ecotoxicology data: http://cfpub.epa.gov/ecotox/quick_query.htm (September 19)
- *Sax's Dangerous Properties of Industrial Materials*, Richard J Lewis Snr., pub. Canada (2005)

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Robertson's Paints Pty Ltd.