

Rockcote MicroFinish III Penetrating Sealer

Active From

21 Jun 2024

Classified as hazardous according to criteria of Worksafe Australia

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifier

Trade Names: Rockcote MicroFinish III Penetrating Sealer

Product Code: 7158

1.2 Relevant identified uses of the product

Application: Clear penetrating sealer

1.3 Details of the supplier

Company Details: Rockcote Enterprises Pty Ltd (ABN 42 066 227 174)

Address: 18 Machinery Road, Yandina Qld 4561

Telephone/Fax: Tel (07) 5446 7737 Fax (07) 5446 8303

Emergency Telephone: 1300 736 668

Other Information: Note: For the most up-to-date information for this data sheet, please refer to the Rockcote website. www.rockcote.com.au

The information contained in this safety data sheet is accurate on the date of issue and in accordance with the information available at that time. Persons dealing with products referred to in this safety data sheet do so at their own risk. Rockcote accepts no liability whatsoever for damage or injury, however caused, arising from use of this information or of suggestions contained herein.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of product

This product is classified as hazardous.



2.2 Label element

Pictograms: Exclamation mark

Signal word: WARNING

Hazard statements: H315 Causes skin irritation
H319 Causes serious eye irritation

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Precautionary statements:	P264	Wash hands thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
	P332+P313	If skin irritation occurs: Get medical advice/attention.
	P337+P313	If eye irritation persists: Get medical advice.
	P362+P364	Take off contaminated clothing and wash before reuse.

2.3 Other hazards

Other hazards: Not relevant

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

%	CAS-No.	Chemical Name	Hazard Classification
30-60	12627-14-4	Lithium Silicate	
Balance	-	Ingredients determined not to be hazardous, including water.	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation:	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist, seek medical attention
Skin contact:	Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.
Eye contact:	If in eyes, hold eyelids apart and flush the eyes continually with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.
Ingestion:	Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

4.2 Symptoms caused by exposure

Inhalation:	Not relevant
Skin contact:	Not relevant
Eye contact:	Not relevant
Ingestion:	Not relevant

4.3 Medical attention, special treatment

Not relevant

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Extinguishing media: Dry chemical, water spray, regular foam and carbon dioxide.

5.2 Specific hazards

This product is non-combustible. Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminium, tin, lead and zinc.

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5.3 Special protection equipment and precautions for firefighters

Firefighters: Firefighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation.

As a water-based product, if spilt on electrical equipment, the product will cause short-circuits. Spilled material can be slippery.

6.2 Environment precautions

Environment precautions: If contamination of sewers or waterways occurs, inform the local water and waste management authorities in accordance with local regulations.

High pH of this material is harmful to aquatic life. Avoid contaminating waterways.

6.3 Methods and materials for containment and cleanup

Cleaning up spillage: If possible, contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe handling: Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene ie washing hands prior to eating, drinking, smoking or using toilet facilities.

Loading temperatures: 5-60°C

7.2 Conditions for safe storage, including any incompatibilities

Safe storage incompatibilities: Do not store in aluminium, fibreglass, copper, brass, zinc or galvanised containers.

Safe storage: Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. (Acids, reactive metals and ammonium salts). Ensure that storage conditions comply with applicable local and national regulations. Protect from freezing.

Storage temperature: 5-60°C

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

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Case-No	Chemical Name	Exposure Limits	Type	References
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8.2 Exposure controls

Engineering measures:

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers breathing zone. If engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

Personal protection:

Suitable protective workwear, eg cotton overalls buttoned at the neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.



Respiratory equipment:

If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable vapour/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make necessary changes for individual circumstances.

Hand protection:

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances. ie methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective Gloves – Selection, use and maintenance.

Eye protection:

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand AS/NZS 1337 (series) – Eye Protectors for Industrial Applications.

Hygiene measures:

Environment exposure controls:

Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical and chemical properties

Appearance:

Clear to hazy aqueous liquid

Odour:

Odourless

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Odour threshold:	Not relevant
pH:	11 to 13 (100% Lithium Silicate)
Flash point:	Not relevant
Solubility in water:	Not available
Stability:	Not relevant
Specific gravity:	1.2 to 1.6
Boiling point:	105 to 108°C
Viscosity:	20-5000 cPs
Vapour pressure:	Not available

9.2 Other information

Volatile component:	30-60% Volatile Organic Compound Content (%): 0
Auto ignition temp:	Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity:	Reacts with incompatible materials. Absorbs carbon dioxide on exposure to air, which results in the decomposition of insoluble silica.
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10.2 Chemical stability

Chemical stability:	Stable under normal conditions of storage and handling. Absorbs carbon dioxide on exposure to air, which results in the deposition of insoluble silica.
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10.3 Conditions to avoid

Conditions/materials to avoid:	Extremes of temperature and direct sunlight. Leaving solutions exposed to carbon dioxide in the air.
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10.4 Incompatible materials and possible hazardous reactions

Incompatible materials:	Do not store aluminium, fibreglass, copper, bras, zinc or galvanised containers. Separate from acids, reactive metals and ammonium salts.
Hazardous reactions:	Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminium, tin, lead and zinc. May react with ammonium salts resulting in evolution of ammonia gas. May react violently with: Acids.

10.5 Hazardous decomposition Products

Hazardous decomposition products:	Thermal decomposition may result in the release of toxic and/or irritating fumes.
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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information and symptoms related to exposure

Acute toxicity:	LD50 (rat): 3400mg/kg. Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin corrosion/irritation:	Lithium silicates can be irritating to corrosive to the skin of rabbits, depending on their molar ratio and concentration. Irrespective of the counterion (Na ⁺ or K ⁺), silicates were found to be corrosive at molar ratios up to 1.6 and concentrations >50%. At molar ratios >1.6, silicates are irritating to the skin, while molar ratios >3.2 and concentrations <40% did not lead to irritative effects.
Serious eye damage/irritation:	Causes serious eye irritation. On eye contact, this product will cause tearing, stinging, blurred vision and redness.

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Respiratory or skin sensitisation:	Not expected to be a respiratory sensitiser. Not expected to be a skin sensitiser.
Germ cell mutagenicity:	Not considered to be a mutagenic hazard.
Specific Target Organ Toxicity (STOT)	
Single exposure:	Not expected to cause toxicity to a specific target organ.
Repeated exposure:	Not expected to cause toxicity to a specific target organ.
Aspiration hazard:	Not expected to be an aspiration hazard.

11.2 Numerical Measures of Toxicity

Numerical measures: No data available.

11.3 Immediate, delayed or chronic health effects from exposure

Immediate: No data available.

Delayed: No data available.

Chronic: No data available.

11.4 Exposure levels

Exposure levels: No data available.

11.5 Interactive effects

Inhalation: Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Skin contact: Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

11.6 Data limitations

Data limitations: Not relevant

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

EcoToxicity: NO ecological data available for this material. High pH when undiluted or unneutralised is acutely harmful to aquatic life.

12.2 Degradability

Degradability: This product is unlikely to persist in the environment.

Prevent this material entering waterways, drains and sewers.

12.3 Bio-accumulative potential

Bio-accumulative potential: The product has low potential for bioaccumulation.

12.4 Mobility in soil

Mobility in soil: Soluble in water. The product is predicted to have high mobility in soil.

12.5 Other adverse effects

Other adverse effects: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste disposal

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Waste disposal: The disposal of the spilled or waster material must be done in accordance with applicable local and national regulations. To minimise personal exposure, refer Section 8: Exposure Controls/Personal Protection.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN number: None allocated

14.2 Proper shipping name

Proper shipping name: None allocated

14.3 Transport hazard class

Transport hazard class: None allocated

14.4 Packing group

Packing group: None allocated

14.5 Environmental hazards

Environmental hazards: Not relevant

14.6 Special precautions during transport

Special precautions during transport: Not available

14.7 Hazchem code

Hazchem code: Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product

Regulations: Not relevant

15.2 Poisons schedule number

Schedule number: Not relevant

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SECTION 16: OTHER INFORMATION

This SDS has been compiled on the date at the top of the first page. The SDS is reviewed every 5 years, the latest version is available on the Rockcote website. www.rockcote.com.au This SDS has been prepared as a completely renewed document to bring into line with the Code of Practice- Preparation of Safety Data Sheets for Hazardous Chemicals.

This SDS will be updated from time to time, whenever new information becomes available or if there is a formulation change.

GHS means Globally Harmonized System

CAS means Chemical Abstract Service

N/A means Not Applicable

TWA means Time Weighted Average

USECHH means Use and Standard of Exposure Chemical Hazardous to Health.

STOT means Specific Target Organ Toxicity

STOT SE means Specific Target Organ Toxicity – Single Exposure

STOT RE means Specific Target Organ Toxicity – Repeated Exposure

mg/m³ means milligram per cubic metre

This SDS has been prepared using information provided by the manufacturers of the ingredients contained in this product. This product is a mixture of ingredients.