

Rockcote MicroFinish II Polyurethane Part B

Active From

15 May 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 II Polyurethane Part B

Product Code: 7202

1.2 Relevant identified uses of the product

Application: Polymeric Aliphatic isocyanate. Hardener in coating materials or adhesives for industrial and trade applications. Part B of a two part system.

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: Xn, Harmful. Xi, Irritating. Hazardous according to the criteria of SWA.

Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

Risk Phrases: R38, R43, R65, R20/21/22, R36/38. Irritating to skin. May cause sensitisation by skin contact. Harmful: May cause lung damage if swallowed.

Harmful by inhalation, in contact with skin, and if swallowed. Irritating to eyes and skin.

Safety Phrases: S20, S28, S38, S46, S51, S24/25, S36/37/39. When using, do not eat or drink. After contact with skin, wash immediately with plenty of soap and water. In case of insufficient ventilation, wear suitable respiratory equipment. If swallowed, contact a doctor or Poisons Information Centre immediately and show this SDS or label. Use only in well ventilated areas. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

UN Number: None allocated

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2.2 Label element

Pictograms:

Exclamation mark

Signal word:

WARNING

Hazard statements:

- H305 May be harmful if swallowed and enters airways.
- H312 Harmful in contact with skin
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H320 Causes eye irritation.
- H332 Harmful if inhaled
- H335 May cause respiratory irritation

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Precautionary statements:

P102	Keep out of reach of children.
P261	Avoid breathing mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Wear respiratory protection
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P337+P313	If eye irritation persists: Get medical advice.
P362	Take off contaminated clothing and wash before reuse.
P370+P378	In case of fire, use carbon dioxide, dry chemical, foam, water fog.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P410	Protect from sunlight.
P501	If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

2.3 Other hazards

Other hazards:

Physical Description & Colour: Yellowish liquid. Odour: Nearly odourless. Major Health Hazards: harmful by inhalation, in contact with skin, and if swallowed, irritating to eyes and skin, skin irritant, possible skin sensitiser, if aspirated, may cause lung damage.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the 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 may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated 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.

%	CAS-No.	Chemical Name	Hazard Classification
>80	28182-81-2	Hexane, 1,6-diisocyanato-, homopolymer	
max 0.3	822-06-0	Hexamethylene diisocyanate	
0-20	Secret	Other non hazardous ingredients	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation:	If symptoms of poisoning become evident, contact a Poisons Information Centre, or call a doctor at once. Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow victim to move about unnecessarily. Symptoms of pulmonary oedema can be delayed up to 48 hours after exposure.
Skin contact:	Quickly and gently blot away excess liquid. Wash gently and thoroughly with warm water (use non- abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.
Eye contact:	Quickly and gently blot material from eyes. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.
Ingestion:	If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

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

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

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SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Extinguishing media:

In case of fire, use carbon dioxide, dry chemical, foam, water fog.

5.2 Specific hazards

The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids.

Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

5.3 Special protection equipment and precautions for firefighters

Firefighters:

If a significant quantity of this product is involved in a fire, call the fire brigade. Cool closed, undamaged containers exposed to fire with water spray.

Flash point: 184°C, Approx

Upper Flammability Limit: No data. Lower Flammability Limit: No data. Autoignition temperature: Approx 455°C

Flammability Class: Not flammable (GHS); C2 combustible (AS 1940)

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:

In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Consult the Australian Standard mentioned below (section 8). Otherwise, not normally necessary.

6.2 Environment precautions

Environment precautions:

Not relevant

6.3 Methods and materials for containment and cleanup

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Cleaning up spillage:

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe handling:

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

7.2 Conditions for safe storage, including any incompatibilities

Safe storage incompatibilities:

Not relevant

Safe storage:

Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Keep containers of this product in a well ventilated area. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Case-No	Chemical Name	Exposure Limits	Type	References
-	Hexamethylene diisocyanate	STEL (mg/m3) 0.07	TWA (mg/m3) 0.02	

8.2 Exposure controls

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Engineering measures:	This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.
Personal protection:	We suggest that protective clothing be made from the following materials: rubber, PVC. (BELOW DOESN'T FIT IN "Respiratory equipment" FIELD. Respirator: Positive pressure air supplied full face respirator preferred for long term use if spraying. Cartridge filter mask complying with AS 1716 for organic vapours acceptable for short periods depending on risk assessment. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Devices. N.B. The final choice of appropriate personal protection will vary according to individual circumstances. This can include methods of handling and engineering controls as determined by appropriate applicator risk assessment. Eyebaths or eyewash stations and safety deluge showers should, if practical, be provided near to where this product is being handled commercially.
Hand protection:	
Eye protection:	Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.
Skin protection:	If you believe you may have a sensitisation to this product or any of its declared ingredients, you should prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.
Hygiene measures:	
Environment exposure controls:	Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical and chemical properties

Appearance:	Yellowish liquid
Odour:	Nearly odourless
Odour threshold:	Not relevant
pH:	No data
Flash point:	Not relevant
Solubility in water:	Insoluble
Stability:	Not relevant
Specific gravity:	0.95 at 20°C
Boiling point:	>300°C at 100kPa
Freezing/melting point:	No specific data. Liquid at normal temperatures
Vapour density:	No data
Viscosity:	Approx. 1400 mPa.s at 23°C
Vapour pressure:	Negligible at normal ambient temperatures

9.2 Other information

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Volatile component: Negligible at normal ambient temperatures.

Auto ignition temp: Approx 455°C

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

10.2 Chemical stability

Chemical stability:

10.3 Conditions to avoid

Conditions/materials to avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry. Keep containers and surrounding areas well ventilated.

10.4 Incompatible materials and possible hazardous reactions

Incompatible materials: No particular Incompatibilities

Hazardous reactions: This product will not undergo polymerisation reactions.

10.5 Hazardous decomposition Products

Hazardous decomposition products: Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information and symptoms related to exposure

Acute toxicity: Short Term Exposure: Significant oral exposure is considered to be unlikely. Because of the low viscosity of this product, it may directly enter the lungs if swallowed, or if subsequently vomited. Once in the lungs, it is very difficult to remove and can cause severe injury or death. However, this product is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat. Other symptoms may also become evident, but all should disappear once exposure has ceased.

Long Term Exposure: No data for health effects associated with long term ingestion.

Skin corrosion/irritation: Persons sensitised to free isocyanates should avoid contact with this product.

Serious eye damage/irritation: Short Term Exposure: This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage.

Long Term Exposure: No data for health effects associated with long term eye exposure.

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Respiratory or skin sensitisation:	No data available.
Germ cell mutagenicity:	No data available.
Specific Target Organ Toxicity (STOT)	
Single exposure:	There is no data to hand indicating any particular target organs. Hexamethylene Diisocyanate is Classed by SWA as a potential sensitiser by skin contact. Over-exposure, especially when spraying coatings containing isocyanate without the necessary precautions, entails the risk of concentration-dependent irritating effects on eyes, nose throat, and respiratory tract. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, and asthma) are possible. Hypersensitive persons may suffer from these effects even at low isocyanate concentrations including concentrations below the German control limit (MAK-value). In case of longer contact with skin, tanning and irritating effects are possible.
Repeated exposure:	No data available.
Aspiration hazard:	No data available.

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 ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

11.5 Interactive effects

Inhalation: Short Term Exposure: Available data shows that this product is harmful, but symptoms are not available. In addition product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort. Long Term Exposure: No data for health effects associated with long term inhalation.

Skin contact: Short Term Exposure: Available data shows that this product is harmful, but symptoms are not available. In addition product is a skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but all should disappear once exposure has ceased. Long Term Exposure: No data for health effects associated with long term skin exposure.

11.6 Data limitations

Data limitations: Not relevant

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

EcoToxicity: No data available.

12.2 Degradability

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Degradability:

This product is not readily biodegradable. However, likely to degrade slowly in the soil or water and not cause long term problems.

As the product is not readily biodegradable, long retention times in water are to be expected. This applies only in cases where no other elimination mechanisms (photo-degradation, hydrolysis, and adsorption) are active. In the case of discharge into surface waters where emissions of longer duration result in concentrations in the region of the effective threshold at the outflow, damage to the ecosystem cannot be excluded.

The product reacts with water at the interface forming CO₂ and a solid insoluble product with high melting point (polyurea). This reaction is accelerated by surfactants (e.g. detergents) or by water-soluble solvents.

12.3 Bio-accumulative potential

Bio-accumulative potential:

No data available.

12.4 Mobility in soil

Mobility in soil:

No data available.

12.5 Other adverse effects

Other adverse effects:

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste disposal

Waste disposal:

This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable in-house, consider controlled incineration, or contact a specialist waste disposal company.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN number:

This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria.

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:

No special transport conditions are necessary unless required by other regulations.

14.7 Hazchem code

Hazchem code:

Not relevant

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product

Regulations:

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredient: Hexamethylene diisocyanate, is mentioned in the SUSMP.

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.

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code especially firefighters	Emergency action code of numbers and letters that provide information to emergency services
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled and used in the workplace.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company so we can attempt to obtain information from our suppliers.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Please read all labels carefully before using product.