

CCM90A Part A Material Safety Data Sheet

Page 1 of 5

Issue date: October 2007

Hazardous according to criteria of Worksafe Australia

Kirkside Products CCM90A Part A

COMPANY DETAILS

Kirkside Products
21 Roberts St.
Osborne Park 6017
Western Australia
Ph. (08) 9242 2990
Fax (08) 9242 4867

IDENTIFICATION

Product Name: Kirkside Products CCM90A Part A
Use: Polyurethane-Casting Resin
UN Number: None allocated
Proper Shipping Name: NONE ALLOCATED
Dangerous Goods Class: None allocated
Subsidiary risk: None allocated
Packing Group: None allocated
Hazchem Code: None allocated

PHYSICAL PROPERTIES

Appearance: Clear Viscose Liquid
Boiling Point Melting Point: >300°C
Vapour Pressure: Not available 1.08
Specific Gravity: >200°C (Cleveland open cup) Not available
Flash Point: available
Flammability Limits: Reacts with water
Solubility in Water:

OTHER PROPERTIES

Percent volatile by weight: Nil

INGREDIENTS

SUBSTANCE NAME
PREPOLYMER

This product contains approximately 6.0 - 6.5 % NCO.
The free TDI content is less than 0.7%

Proportion	CAS Number
100%	Proprietary

CCM90A Part A Material Safety Data Sheet

Page 2 of 5

Issue date: October 2007

Hazardous according to criteria of Worksafe Australia

Kirkside Products CCM90A Part A

HEALTH HAZARD INFORMATION

ACUTE HEALTH EFFECTS

Hazardous according to the criteria of Worksafe Australia

Hazard Category: Harmful

ACUTE HEALTH EFFECTS

Swallowed:

May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach.

Eye:

May cause irritation to the eyes, with effects including: tearing, pain, and stinging and blurred vision.

Skin:

May cause severe irritation to the skin, with effects including: Redness, drying, and possible dermatitis.

Inhaled:

Harmful if inhaled.

Will cause severe irritation to the nose, throat and respiratory system with effects including: Dizziness, headache, in coordination, chest pains, coughing, respiratory paralysis and or failure.

Chronic:

Prolonged or repeated exposure may lead to irreversible damage to health.

Prolonged or repeated contact with this substance will cause sensitisation by inhalation.

FIRST AID

Swallowed:

If swallowed, DO NOT induce vomiting, unless instructed to do so by trained health professional. Transport to hospital or doctor.

Eye:

If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eyelids are held open. If irritation persists transport to hospital or doctor.

Skin:

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap if available.

If irritation persists transport to hospital or doctor.

Inhaled:

Open all doors, windows and/or vents. Move victim to fresh air. Apply resuscitation if victim is not breathing - If trained personnel available administer oxygen if breathing is difficult.

First Aid Facilities:

Eye wash fountain, safety shower and normal washroom facilities.

Advice to Doctor:

Treat symptomatically.

CCM90A Part A Material Safety Data Sheet

Page 3 of 5

Issue date: October 2007

Hazardous according to criteria of Worksafe Australia

Kirkside Products CCM90A Part A

PRECAUTIONS FOR USE

Exposure Standards

Prepolymer has the following Worksafe Australia exposure standards assigned:

TWA 0.02 mg/m³

STEL 0.07 mg/m³

Notices: Sen.

Prepolymer may cause sensitisation in some susceptible individuals.

PREPOLYMER

Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

Personal Protection Equipment

CLOTHING: PVC or natural rubber apron or splash suit.

GLOVES: PVC or natural rubber.

EYES: Chemical goggles or face shield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of vapours. Select and use respirators in accordance with AS/NZS 1715/1716. When vapours exceed the exposure standards then the use an atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus supplied air respirator complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

SAFE HANDLING INFORMATION

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer.

Transport

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Subsidiary risk: None allocated

Packing Group: None allocated

Hazchem Code: None allocated

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 6th Edition. Not classified as a Dangerous Good according to the UN, DOT (US), IACO (IATA) or IMO (IMDG).

Non Dangerous Good according to the ADG Code (6th Edition).

CCM90A Material Safety Data Sheet

Page 4 of 5

Issue date: October 2007

Hazardous according to criteria of Worksafe Australia

Kirkside Products CCM90A Part A

Spills

Ventilate area. Remove all unnecessary personnel from spill area. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS. Contain using sand or soil - prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Do not use sawdust. Collect and seal in properly labelled containers for disposal.

Disposal For disposal information contact the State Land Waste Management Authority or the Environmental Protection Agency.

Disposal

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Fire

Fire/Explosion Hazard

If safe to do so, move undamaged containers from fire area.

Hazardous Decomposition Products: Decomposes on heating emitting soot, smoke and decomposition products.

Fire Fighting Procedures Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

Extinguishing Media: Use extinguishing media suitable for surrounding fire situation.

Flammability

This material is not a flammable or combustible liquid.

OTHER INFORMATION

THE COMBINED ACUTE LETHAL INHALATION EFFECT OF THE MIXTURE

LC₅₀ inhalation, RAT: 1 < LC₅₀ =< 5 mg/L/4 hr

RISK PHRASES

R20 Harmful by inhalation.

R42 May cause sensitisation by inhalation.

SAFETY PHRASES

S1/2 Keep locked up and out of reach of children.

S23 Do not breathe fumes/vapour

S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

S28 After contact with skin, wash immediately with plenty of warm soapy water

S38 In case of insufficient ventilation, wear suitable respiratory protection.

S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately and show this container or label.

Ecotoxicity

This product should not be disposed of in drains, waterways or sewers.

Poison Schedule

Poison Schedule: S6

CCM90A Part A Material Safety Data Sheet

Page 5 of 5

Issue date: October 2007

Hazardous according to criteria of Worksafe Australia

Kirkside Products CCM90A Part A

CONTACT POINT

Contact Point

Technical Manager +61 2 9666 3788

Disclaimer

The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.

CCM90A Part B Material Safety Data Sheet

Page 1 of 4

Issue date: October 2007

Hazardous according to criteria of Worksafe Australia

Kirkside Products CCM90A Part B

COMPANY DETAILS

Kirkside Products

21 Roberts St

Osborne Park

Western Australia

Ph (08) 92422990

Fax (08) 9242 4867

IDENTIFICATION

Product Name:	Kirkside Products CCM90A Part B
Use:	Polyurethane Elastomer Curative
UN Number:	None allocated
Proper Shipping Name:	NONE ALLOCATED
Dangerous Goods Class:	None allocated
Subsidiary risk:	None allocated
Packing Group:	None allocated
Hazchem Code:	None allocated

PHYSICAL PROPERTIES

Appearance:	Amber to dark liquid
Boiling Point	Not determined
Melting Point:	Not determined
Vapour Pressure:	Not determined
Specific Gravity:	1.20
Flash Point:	>150°C (Cleveland Cup ATSM D92)
Flammability Limits:	Not determined
Solubility in Water:	Not soluble in water

Other Properties

None

INGREDIENTS

SUBSTANCE NAME

DI- (METHYLTHIO) TOLUENEDIAMINE

Proportion CAS Number

Greater than 60% 106264-79-3

CCM90A Part B Material Safety Data Sheet

Page 2 of 4

Issue date: October 2007

Hazardous according to criteria of Worksafe Australia

Kirkside Products CCM90A Part B

HEALTH HAZARD INFORMATION

ACUTE HEALTH EFFECTS

Hazardous according to the criteria of Worksafe Australia

Hazard Category: Harmful

ACUTE HEALTH EFFECTS

Swallowed:

Harmful if swallowed.

May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach.

Eye:

May cause irritation to the eyes, with effects including: tearing, pain, and stinging and blurred vision.

Skin:

Will cause irritation to the skin, with effects including: Redness, itchiness, and possible dermatitis.

Inhaled:

May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and possible confusion.

Chronic:

Prolonged or repeated exposure may lead to irreversible damage to health.

Prolonged or repeated contact with this substance will cause sensitisation by skin contact.

FIRST AID

Swallowed:

If swallowed, DO NOT induce vomiting, unless instructed to do so by trained health professional. Transport to hospital or doctor.

Eye:

If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eyelids are held open. If irritation persists transport to hospital or doctor.

Skin:

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap if available.

If irritation persists transport to hospital or doctor.

Inhaled:

Open all doors, windows and/or vents. Move victim to fresh air. Apply resuscitation if victim is not breathing - If trained personnel available administer oxygen if breathing is difficult.

First Aid Facilities:

Eye wash fountain, safety shower and normal washroom facilities.

Advice to Doctor:

Treat symptomatically.

CCM90A Part B Material Safety Data Sheet

Page 3 of 4

Issue date: October 2007

Hazardous according to criteria of Worksafe Australia

Kirkside Products CCM90A Part B

PRECAUTIONS FOR USE

Exposure Standards

DI- (METHYLTHIO) TOLUENEDIAMINE

No Exposure details available

Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

Personal Protection Equipment

CLOTHING: PVC or natural rubber apron or splash suit.

GLOVES: PVC or natural rubber.

EYES: Chemical goggles or face shield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of vapours. Select and use respirators in accordance with AS/NZS 1715/1716. When vapours exceed the exposure standards then the use an atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus supplied air respirator complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

SAFE HANDLING INFORMATION

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer.

Transport

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Subsidiary risk: None allocated

Packing Group: None allocated

Hazchem Code: None allocated

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 6th Edition. Not classified as a Dangerous Good according to the UN, DOT (US), IACO (IATA) or IMO (IMDG).

Non Dangerous Good according to the ADG Code (6th Edition).

Spills

Ventilate area. Remove all unnecessary personnel from spill area. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS. Contain using sand or soil - prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Do not use sawdust.

Collect and seal in properly labelled containers for disposal.

Disposal For disposal information contact the State Land Waste Management Authority or the Environmental Protection Agency.

CCM90A Part B Material Safety Data Sheet

Page 4 of 4

Issue date: October 2007

Hazardous according to criteria of Worksafe Australia

Kirkside Products CCM90A Part B

Disposal

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Fire

Fire/Explosion Hazard

If safe to do so, move undamaged containers from fire area.

Hazardous Decomposition Products: Decomposes on heating emitting soot, smoke and decomposition products.

Fire Fighting Procedures Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

Extinguishing Media: Use extinguishing media suitable for surrounding fire situation.

Flammability

This material is not a flammable or combustible liquid.

OTHER INFORMATION

THE COMBINED ACUTE LETHAL ORAL EFFECT OF THE MIXTURE

LD₅₀ oral, RAT: 200 < LD₅₀ =< 2,000 mg/kg (body weight)

RISK PHRASES

R22 Harmful if swallowed.

R43 May cause sensitisation by skin contact.

SAFETY PHRASES

S2 Keep out of reach of children.

S24 Avoid contact with skin.

S37 Wear suitable gloves.

S60 This material and/or its container must be disposed of as hazardous waste.

S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

Ecotoxicity

This substance may cause long-term adverse effects in the environment

Poison Schedule

Poison Schedule: S6

CONTACT POINT

Contact Point

Technical Manager +61 2 9666 3788

Disclaimer

The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.