



MATERIAL SAFETY DATA SHEET

Issue date: 15th September, 2011

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: QWIKJOINT 200 Part A

Company: Tremco Pty Limited ABN 25 000 024 064
Address: Unit 1, 2 Park Road, Rydalmere, New South Wales, 2116
Contact Nos.: Telephone: (02) 9638 2755 Fax: (02) 9638 2955
Emergency Telephone: 1800 224 512 7am to 5pm Monday to Friday inclusive
Packaging: 600ml Cartridge & 37.8 litre kit
Product Code: 240330 – 600ml Cartridge
240332 – 37.9 litre kit

Recommended Use: Joint Filler
Proper Shipping Name: None Allocated - NON-HAZ

2. HAZARDS IDENTIFICATION

Symbols: Xi Irritant

Safety Phrases: S2 Keep out of the reach of children
S23 Do not breathe vapour
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28 After contact with skin, wash immediately with plenty of soap and water
S38 In case of insufficient ventilation, wear suitable respiratory equipment
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

Risk Phrases: R36/37/38 Irritating to eyes, respiratory system and skin

Emergency Overview

Clear. Liquid. Vapor and/or mist may irritate nose and throat. May cause allergic respiratory sensitization. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : Vapor and/or mist may irritate nose and throat. May cause allergic respiratory sensitization.

Eyes : Vapor and/or mist may cause eye irritation. May cause sensitization.

Ingestion : May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting.
Skin : May cause sensitization resulting in irritation, itching and redness.

Aggravated Medical Conditions

Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

Overexposure may cause dermatitis, asthma, skin and respiratory sensitization and decreased lung function. Diphenylmethane diisocyanate (methylene bisphenyl isocyanate) caused an increased incidence of lung tumors in experimental animals following long term inhalation at concentrations in excess of 100 times the exposure limit. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Target Organs: Skin, Eye, Ingestion, Lung

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	CAS Number:	Weight%:
Polyurethane polymer	NJTSRN#51721300-5119P	>60%
4,4'-Methylene bis(phenylisocyanate)	101-68-8	15.0-40.0%
Diphenylmethane diisocyanate	26447-40-5	10.0-30.0%

4. FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Ingestion: **DO NOT** induce vomiting unless advised by a physician. Call nearest Poison Control Centre (Ph.13 11 26 in all states) or seek medical attention immediately.
Eye: Flush with water for 15 minutes. If irritation persists get medical attention.
Skin: Wash area of contact thoroughly with hand cleaner followed by soap and water. Seek medical attention immediately if irritation persists or rash or other disorders develop.
Inhaled: Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
First Aid Facilities: Ensure availability of eye wash fountains and/or water access.
Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Non flammable under normal conditions of use.

Flash point : 325°F, 163°C.
Method : Seta closed cup.
Burning rate : Non-flammable solid
Lower explosion limit : Not available.
Upper explosion limit : Not available.
Autoignition temperature : Not available.
Extinguishing media : If water fog is ineffective, use carbon dioxide, dry chemical or foam.

Hazardous combustion Products : Smoke, fumes. Carbon monoxide and carbon dioxide can form. Hydrocyanic acid and nitrogen oxides can form.

Protective equipment for Firefighters : Water may be used to cool containers to minimize pressure buildup. Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).

Fire and explosion conditions : This product not expected to ignite under normal conditions of use.

6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately. Stop flow of material if safe to do so. Contain spill and keep out of water courses. Ventilate area.

7. HANDLING & STORAGE

Store under dry warehouse conditions away from heat and all ignition sources. Store in a cool, well ventilated area. Prevent inhalation of vapour, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Do not smoke, weld, generate sparks, or use flame near container. Change soiled work clothes frequently. Clean hands thoroughly after handling

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

Respiratory protection : Use full engineering controls before relying on personal protective equipment. Wear appropriate, properly fitted air purifying respirator with

combination particulate filter and vapor/gas removing cartridge when airborne contaminant level(s) exceed exposure limits indicated on the MSDS, or product is spray applied.

Hand protection : Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.

Eye protection : Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.

Protective measures : Use professional judgment in the selection, care, and use.

Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use general ventilation and/ or local exhaust to reduce the airborne contaminant concentration below the exposure limit listed in the MSDS.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
4,4'-Methylene bis(phenylisocyanate)	101-68-8	ACGIH TWA	0.005ppm	

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Clear
Odour	Slight
Water Solubility:	Negligible
pH:	Not available
Vapour Pressure:	Not available
Vapour Density:	Heavier than air
Melting point/range:	Not available
Freezing Point:	Not available
Flashpoint: (°C):	163°C
Specific Gravity:	1.05
Volatile Weight:	29.3%

10. STABILITY AND REACTIVITY

Stability: Considered stable under normal storage, handling and use.

Substances to avoid: Strong acids. Strong bases. Amines. Water or moisture. Alcohols.

Hazardous Polymerization: Will not occur under normal circumstances.

11. TOXICOLOGICAL INFORMATION

4,4'-Methylene bis(phenylisocyanate), CAS-No.: 101-68-8
Acute inhalation toxicity (LC-50) 0.369 mg/l for 4 h (Rat) 0.38 mg/l for 4 h (Rat)

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Method: Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility or dispose of in compliance with federal, state and local regulations.

14. TRANSPORT INFORMATION

UN Number:	No UN number allocated
Proper Shipping Name:	No shipping name allocated
Class:	Not applicable
Subsidiary Risk:	None allocated
Packing Group:	No Packing Group allocated
Poisons Schedule Number:	None assigned
Hazchem Code:	No Hazchem code allocated

15. REGULATORY INFORMATION

LABELLING: Xi Irritant

Risk Phrases & Safety Phrases listed in Section 2.

16. OTHER INFORMATION

For Industrial Use only. Keep out of reach of children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use and storage of the product under every foreseeable condition.

Website: www.tremco.com.au

The information sourced for the preparation of this document was correct and complete at the time of writing or 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 documents should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority.



MATERIAL SAFETY DATA SHEET

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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: QWIKJOINT 200 Part B

Company: Tremco Pty Limited ABN 25 000 024 064
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Contact Nos.: Telephone: (02) 9638 2755 Fax: (02) 9638 2955
Emergency Telephone: 1800 224 512 7am to 5pm Monday to Friday inclusive
Packaging: 600ml Cartridge & 37.8 litre kit
Product Code: 240330 – 600ml Cartridge
240332 – 37.9 litre kit

Recommended Use: Curative
Proper Shipping Name: None Allocated - NON-HAZ

2. HAZARDS IDENTIFICATION

Symbols: Xi Irritant

Safety Phrases: S2 Keep out of the reach of children
S23 Do not breathe vapour
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28 After contact with skin, wash immediately with plenty of soap and water
S38 In case of insufficient ventilation, wear suitable respiratory equipment
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

Risk Phrases: R36/37/38 Irritating to eyes, respiratory system and skin

Emergency Overview

Clear. Liquid. Vapor and/or mist may irritate nose and throat. May cause allergic respiratory sensitization. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : Vapor and/or mist may irritate nose and throat. May cause allergic respiratory sensitization.

Eyes : Vapors or liquid may cause tearing, blurred vision, severe irritation, and possible chemical burns..

Ingestion : May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting. May cause chemical burns to stomach, mouth, nose and throat.

Skin : May cause moderate irritation. May cause sensitization resulting in irritation, itching and redness..

Aggravated Medical Conditions

Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

Prolonged and repeated overexposure to amines may cause liver and kidney damage based on animal studies. Animal studies have shown adverse effects in the pancreas, liver, thyroid and eyes caused by diethyltoluenediamine (DETDA). In rare instances, sensitization to DETDA has been reported to occur in humans. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Target Organs: Skin, Eye, Ingestion, Lung

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Bis (2-propylheptyl) phthalate	53306-54-0	> 60.0
Diethyltoluenediamine	68479-98-1	15.0 - 40.0
Propoxylated Amine	102-60-3	3.0 - 7.0
6-Methyl-2,4-di(methylthio)-1,3-benzenediamine	102093-68-5	3.0 - 7.0
Amorphous silica	7631-86-9	1.0 - 5.0
Titanium dioxide	13463-67-7	1.0 - 5.0

4. FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Ingestion: **DO NOT** induce vomiting unless advised by a physician. Call nearest Poison Control Centre (Ph.13 11 26 in all states) or seek medical attention immediately.

Eye: Flush with water for 15 minutes. If irritation persists get medical attention.

Skin: Wash area of contact thoroughly with hand cleaner followed by soap and water. Seek medical attention immediately if irritation persists or rash or other disorders develop.

Inhaled: Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

First Aid Facilities: Ensure availability of eye wash fountains and/or water access.
Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Non flammable under normal conditions of use.

Flash point : >200°F, >93°C.
Method : Closed cup.
Lower explosion limit : Not available.
Upper explosion limit : Not available.
Autoignition temperature : Not available.
Extinguishing media : If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion
Products : Smoke, fumes. Carbon monoxide and carbon dioxide can form.
Protective equipment for
Firefighters : Water may be used to cool containers to minimize pressure buildup. Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
Fire and explosion conditions : Product may ignite if heated in excess of its flash point..

6. ACCIDENTAL RELEASE MEASURES

Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

7. HANDLING & STORAGE

Store under normal warehouse conditions in sealed containers. Keep container closed when not in use. Vapor may migrate to sources of ignition. Do not smoke, weld, generate sparks, or use flame near container. Change soiled work clothes frequently. Clean hands thoroughly after handling. Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use.

Precautions also apply to emptied containers. Handle in compliance with common hygienic practices. Clean hands thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

Respiratory protection : Use full engineering controls before relying on personal protective equipment. Wear NIOSH/MSHA approved vapor respirator with appropriate cartridge when the vapor concentration is expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.

Hand protection : Protect hands with impervious gloves.

Eye protection : Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.

Protective measures : Use professional judgment in the selection, care, and use.

Engineering measures : Use local exhaust when the general ventilation is inadequate.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Amorphous silica particles.	7631-86-9	ACGIH TWA:	3 mg/m3	Respirable
		ACGIH TWA:	10 mg/m3	Inhalable particles.
		OSHA PEL:	15 mg/m3	Total dust.
		OSHA PEL:	5 mg/m3	Respirable fraction.
Titanium dioxide	13463-67-7	OSHA TWA:	0.8 mg/m3	
		ACGIH TWA:	10 mg/m3	
		OSHA PEL:	15 mg/m3	Total dust.
		OSHA TWA:	15 mg/m3	Total dust.
Amorphous silica particles.	7631-86-9	OSHA TWA:	5 mg/m3	Respirable fraction.
		ACGIH TWA:	3 mg/m3	Respirable
		ACGIH TWA:	10 mg/m3	Inhalable particles.
		OSHA PEL:	15 mg/m3	Total dust.
Titanium dioxide	13463-67-7	OSHA PEL:	5 mg/m3	Respirable fraction.
		OSHA TWA:	10 mg/m3	
		OSHA PEL:	15 mg/m3	Total dust.
		OSHA TWA:	15 mg/m3	Total dust.
Aluminum oxide	1344-28-1	OSHA TWA:	5 mg/m3	Respirable fraction.
		ACGIH TWA:	10 mg/m3	
		OSHA PEL:	5 mg/m3	Respirable fraction.
		OSHA PEL:	15 mg/m3	Total dust.
		OSHA TWA:	15 mg/m3	Total dust.
		OSHA TWA:	5 mg/m3	Respirable fraction.
		ACGIH TWA:	1 mg/m3	Respirable fraction.

Crystalline Silica (Quartz)/
Silica Sand

14808-60-7

OSHA TWA: 0.1 mg/m³ Respirable.
OSHA TWA: 0.3 mg/m³ Total dust.
OSHA PEL: 15 mg/m³ Total dust.
OSHA PEL: 5 mg/m³ Respirable fraction.
ACGIH TWA: 0.025 mg/m³ Respirable
fraction.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Clear
Odour	Slight
Water Solubility:	Negligible
pH:	Not available
Vapour Pressure:	Not available
Vapour Density:	Heavier than air
Melting point/range:	Not available
Freezing Point:	Not available
Flashpoint: (°C):	>93°C
Specific Gravity:	1.1
Volatile Weight:	0.0%

10. STABILITY AND REACTIVITY

Stability: Considered stable under normal storage, handling and use. Avoid welding arcs, flames or other high temperature sources.

Substances to avoid: Strong acids.

Hazardous Polymerization: Will not occur under normal circumstances.

11. TOXICOLOGICAL INFORMATION

Amorphous silica, CAS-No.: 7631-86-9

Acute oral toxicity (LD-50 oral) 22,500 mg/kg (Rat) 15,000 mg/kg (Mouse)

12. ECOLOGICAL INFORMATION

No data available.

17. DISPOSAL CONSIDERATIONS

Disposal Method: Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility or dispose of in compliance with federal, state and local regulations.

18. TRANSPORT INFORMATION

UN Number: No UN number allocated
Proper Shipping Name: No shipping name allocated
Class: Not applicable
Subsidiary Risk: None allocated
Packing Group: No Packing Group allocated
Poisons Schedule Number: None assigned
Hazchem Code: No Hazchem code allocated

19. REGULATORY INFORMATION

LABELLING: Xi Irritant

Risk Phrases & Safety Phrases listed in Section 2.

20. OTHER INFORMATION

For Industrial Use only. Keep out of reach of children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use and storage of the product under every foreseeable condition.

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