

Fixtech Pty Ltd – PO Box 568, Southport, QLD
PH: +61 (0) 7 5530 1099, Fax: +61 (0) 7 5530 1322
Email: info@fixtech.com.au

SAFETY DATA SHEET

FixIt Grip – FMP100

1. Identification

1.1 Identification of the substance or preparation:

Product Name: FixIt Grip – FMP100

1.2 Use of substance or preparation:

Timber Adhesive

1.3 Company undertaking identification:

Fixtech Pty Ltd – Fixtech Marine Solutions
Unit 1/20
Molendinar, Queensland 4214
Tel: +61 7 5530 1099
Fax: +61 7 5530 1322
Email: info@fixtech.com.au

1.4 Emergency telephone:

+61 7 5530 1099

2. Composition/information on ingredients

Chemical Characterisation: Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Hazardous components:

101-68-8	4,4' methylenediphenyl diisocyanate ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335	>10-<25%
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3. Hazardous identification

Hazardous Nature:

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

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Health Hazard

Resp. Sens1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc.2 H351 Suspected of causing cancer.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



Skin Irrit.2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction
STOT SE 3 H335 May cause respiratory irritation

Signal Word Danger

Hazard Statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction. H351 Suspected of causing cancer.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P284 Wear respiratory protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.

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- P201** Obtain special instructions before use.
- P202** Do not handle until all safety precautions have been read and understood.
- P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321** Specific treatment (see on this label).
- P304+P340** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P308+P313** IF exposed or concerned: Get medical advice/attention.
- P332+P313** If skin irritation occurs: Get medical advice/attention.
- P333+P313** If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313** If eye irritation persists: Get medical advice/attention.
- P314** Get medical advice/attention if you feel unwell.
- P302+P352** IF ON SKIN: Wash with plenty of water.
- P312** Call a POISON CENTER/doctor if you feel unwell.
- P342+P311** If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- P362+P364** Take off contaminated clothing and wash it before reuse.
- P405** Store locked up.
- P403+P233** Store in a well-ventilated place. Keep container tightly closed.
- P501** Dispose of contents/container in accordance with local/regional/national regulations.

4. First aid measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Do not apply neutralising agents. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralising agents. Seek medical attention if symptoms occur.

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Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

Symptoms Caused by Exposure:

Inhalation: May cause irritation of the of the nasal mucous membranes and respiratory tract, dry/sore throat, coughing and runny nose.

Skin Contact: Causes skin irritation and tingling.

Eye Contact: Causes irritation of the eye tissue.

Ingestion: May cause irritation of the gastrointestinal tract

5. Fire fighting measures

Suitable Extinguishing Media: Carbon dioxide, BC powder, polyvalent foam or water spray.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include carbon monoxide, carbon dioxide and nitrous vapours. Reacts slowly with water releasing carbon dioxide.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved self-contained breathing apparatus in the pressure demand mode or a positive pressure air-supplied respirator, solvent resistant gloves, protective clothing, apron and boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and scoop solid spill into closing containers. Containers must not be sealed hermetically. Provide adequate ventilation. Decontaminate spill area with acetone.

Note: See section 8 for Personal Protective Equipment.

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7. Handling and storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours/dust. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Protect from heat. Keep away from strong oxidising agents, acids, alkalis, alcohols, amines and water. Suitable packaging material is polyethylene.

8. Exposure controls/personal protection

Exposure Standards:

101-68-8 4,4'-methylenediisocyanate

NES	STEL: 0.07 mg/m ³
	TWA: 0.02 mg/m ³
	Sen, as-NCO

Engineering Controls:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below the limits.

Respiratory Protection:

If high airborne concentrations of the isocyanates are present and minimising exposure by ventilation is not possible, air-line respirators or self-contained breathing apparatus complying with Australian Standard AS 1716 must be used.

Skin Protection:

Polyethylene gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered. Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

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Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

9. Physical and Chemical Properties

General information:

- Physical Form: Paste
- Colour: Colourless
- Odour: Characteristic
- Density: Ca. 1.1 g/cm³
- Viscosity: 25 s
- Flash point: >165°C
- Vapour density: >2
- Solubility in water: Insoluble

Note: the above information is not intended for use in preparing product specifications

10. Stability and reactivity

Possibility of Hazardous Reactions: Reacts slowly with water releasing carbon dioxide.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat.

Incompatible Materials: Strong oxidizing and reducing agents, acids, alkalis, alcohol, amines and water.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrous vapours.

11. Toxicological information

Toxicity:

LD50/LC50 Values Relevant for Classification:

101-68-8 4,4'-methylenediphenyl diisocyanate

Oral	LD ₅₀	>2000 mg/kg (mouse)
Dermal	LD ₅₀	>9400 mg/kg (rabbit)
Inhalation	LC ₅₀ /1 HR	> 2240 mg/kg (rat)

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Acute Health Effects

Inhalation: May cause irritation of the of the nasal mucous membranes and respiratory tract, dry/sore throat, coughing and runny nose.

Skin: Causes skin irritation and tingling.

Eye: Causes irritation of the eye tissue.

Ingestion: May cause irritation of the gastrointestinal tract.

Skin Corrosion / Irritation: Causes skin irritation.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation:

Sensitization possible through inhalation. Sensitization possible through skin contact. May cause an allergic skin reaction.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Suspected of causing cancer. 4,4'-Methylenediphenyl diisocyanate is classified by Safe Work Australia as Carcinogen Category 3. 4,4'-Methylenediphenyl diisocyanate is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure: May cause respiratory irritation.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

Repeated or prolonged skin exposure may skin rash and inflammation. Inhalation of high vapour concentrations or prolonged exposure may cause feeling of weakness, coughing, respiratory difficulties and possible inflammation of the respiratory tract.

Existing Conditions Aggravated by Exposure: Pre-existing allergies, eye, skin and respiratory disorders.

12. Effects on the environment

Ecotoxicity: No data available on finished product

Aquatic toxicity:	
101-68-8 4,4'-methylenediphenyl diisocyanate	
EC ₅₀ /24 Hr	129.7 mg/l (daphnia)
EC ₅₀ /3 Hr	>100 mg/l (activated sludge inhibition)
EC ₅₀ /72 Hr	> 1640 mg/l (algae)
LC ₅₀ /96 Hr	> 1000 mg/l (fish)

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Persistence and Degradability: Not easily biodegradable

Bioaccumulative Potential: Not determined

Mobility in Soil: Not determined

Other adverse effects: Global warming potential (GWP)

None of the known components is included in the list of substances which may contribute to the greenhouse effect.

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer.

13. Disposal considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14. Transport information

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

Marine pollutant: No information available

15. Regulatory information

Australian Inventory of Chemical Substances:

101-68-8

4,4'-methylenediphenyl diisocyanate

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

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16. Other information

Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

This data completes the technical datasheet for use, but does not replace it. The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements.

The data does not signify any warranty with regards to the products properties.

Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. Fixtech does not guarantee the accuracy or exhaustiveness of the information provided. All intellectual property rights to this sheet are the property of Fixtech and its distribution and reproduction are limited.

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The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates on to the specific material designated and may not be valid for such material used in combination with other material or in any process, unless specified in the text.