

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

MP101 Extra Fine White Filler

1. Identification

- 1.1 Identification of the substance or preparation:**
Product Name: MP101 - Metal Plastic Extra Fine Filler
- 1.2 Use of substance or preparation:**
Sealant/Filler
- 1.3 Company undertaking identification:**
Fixtech Pty Ltd – Fixtech Marine Solutions
Unit 1/20 Export Drive
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: Mixture

Description: Mixture of substances listed below with nonhazardous additions

Hazardous Components:		
100-42-5	Styrene Monomer	<12.5%
	⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	

3. Hazards identification

Hazardous Nature:

Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. 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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3.1 Classification of the substance or mixture:

Skin irritant	Category 2	H315: Causes skin irritation
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3.1.2 Classification according Directive 67/548/EEC-1999/45/EC:

Classified as dangerous in accordance with the criteria of Directives 67/548/EEC and 1999/45/EC
 Xn; R20 - Harmful by inhalation
 Xi; R36/38 - Irritating to eyes and skin
 R10 – Flammable

3.2 Label elements:



Flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

Signal Word Warning

Hazard Statements

H226 Flammable liquid and vapour.

Precautionary Statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P240 Ground/bond container and receiving equipment.
- P233 Keep container tightly closed.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national regulations.

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4. First aid measures

4.1 Description of first aid measures:

General:

- Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital

After inhalation:

- Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service

After skin contact:

- Wash immediately with lots of water. Soap may be used. Do not apply (chemical) neutralizing agents. Take victim to a doctor if irritation persists

After eye contact:

- Rinse immediately with plenty of water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists

After ingestion:

- Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth to an unconscious person.

Consult a doctor/medical service if you feel unwell

4.2 Most important symptoms and effects, both acute and delayed:

4.2.1 Acute symptoms

After inhalation:

- EXPOSURE TO HIGH CONCENTRATIONS: Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Central nervous system, depression. Feeling of weakness. Nausea. Headache. Dizziness. Mental confusion. Coordination disorders. Myasthenia. Impaired concentration. Disturbed motor response. Disturbances of consciousness.

After skin contact:

- Tingling/irritation of the skin.

After eye contact:

- Irritation of the eye tissue.

After ingestion:

- AFTER ABSORPTION OF HIGH QUANTITIES: Central nervous system depression. Symptoms similar to those listed under inhalation.

4.3 Indication of any immediate medical attention and special treatment needed:

If applicable and available it will be listed below.

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5. Fire fighting measures

5.1 Suitable extinguishing media:

- Polyvalent foam
- Carbon dioxide
- ABC powder

Unsuitable extinguishing media:

- Solid water jet ineffective as extinguishing medium

5.3 Special hazards arising from the substance or mixture:

- Upon combustion: CO and CO₂ are formed. Polymerizes on exposure to temperature rise: (increased) risk of fire/explosion.

5.4 Advice for Firefighters:

- If exposed to fire cool the closed containers by spraying with water. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistent risk of physical explosion

5.5 Special protective equipment for firefighters:

- Gloves. Face-shield. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus

6. Accidental release measures

6.1 Personal precautions:

- Stop engines and no smoking. No naked flames or sparks. Spark- and explosion proof appliances and lighting equipment

6.2 Environmental precautions:

- Contain leaking substance. Dam up the liquid spill. Prevent spreading in sewers. Use appropriate containment to avoid environmental contamination.

6.3 Methods for cleanup and containment:

- Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite, powdered limestone. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

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7. Handling and storage

The information contained in this section is a general description. If applicable and available, exposure scenarios are attached in the annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1 Precautions for safe handling:

- Insufficient ventilation: use spark-/explosion proof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges. Keep away from naked flames/heat. Insufficient ventilation: keep naked flames/sparks away. Gas/vapour heavier than air at 20°C; Observe normal hygiene standards. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

7.2 Conditions for safe storage, including any incompatibilities:

Safe storage requirements:

- Store in a cool area. Store in a dark area. Keep out of direct sunlight. Ventilation at floor level. Fireproof storeroom. Store at room temperature. Meet the legal requirements. Max. storage time: 365 day(s).

Keep away from:

- Heat sources, ignition sources, combustible materials, oxidizing agents, (strong) acids, (strong) bases, halogens.

Suitable packing material:

- Tin

7.3 Specific uses:

- See information supplied by the manufacturer for the identified uses.

8. Exposure controls/personal protection

Exposure Standard

100-42-5 Styrene monomer	
NES	STEL: 426 mg/m ³ , 100 ppm TWA: 213 mg/m ³ , 50 ppm
14807-96-6 Talc (Mg₃H₂(SiO₃)₄)	
NES	TWA: 2.5 mg/m ³

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment

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Respiratory Protection:

Use a Safe Work Australia approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl 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.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9. Physical and chemical properties

9.1 General information:

Physical form	Viscous Liquid
Odour	Solvent odour
Odour threshold	No data available
Colour	Variable in colour
Explosion limits	Lower 1.1 Vol %
Explosion limits	Upper 6.1 Vol %
Flammability	Flammable
Auto ignition point	480°C
Dynamic viscosity	0.9-1.2 Pa.s ; 23°C
Melting point	No data available
Boiling point	Not determined
Flash point	34°C
Evaporation rate	No data available
Vapour pressure	5 hPa; 20°C
Relative vapour density @ 20°C	>1 g/cm ³
Density	Not determined
Relative density @ 20°C	> 1.1 g/cm ³
Decomposition temperature	No data available

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Solubility in Water: Insoluble
Partition Coefficient (n-octanol/water): Not determined.
VOC: 12 %

10. Stability and reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.
Chemical Stability: Stable at ambient temperature and under normal conditions of use.
Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.
Incompatible Materials: No further relevant information available.
Hazardous Decomposition Products: Oxides of carbon.

11. Toxicological information

Toxicity:

LD50/LC50 Values Relevant for Classification:

100-42-5 Styrene monomer

Oral Inhalation	LD50 LC50/4 h	5000 mg/kg (rat) 24 mg/l (rat)
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Acute Health Effects

Inhalation: May cause headache and nausea.

Skin: No adverse health effects expected.

Eye: No adverse health effects expected.

Ingestion: Ingestion is not considered a potential route of exposure

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

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

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Carcinogenicity:

Talc not containing asbestos or asbestiform fibres is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans. Styrene is classified by IARC as Group 2B - Possibly carcinogenic to humans.

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

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

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

Chronic Health Effects: Repeated or prolonged skin exposure may cause dry skin.

12. Ecological information

Ecotoxicity: No information available

Aquatic toxicity: No information available

Persistence and Degradability: No information available

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

Other adverse effects: Not 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.

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14. Transport information

UN Number	1993
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S (STYRENE MONOMER, STABILISED, mixture)
Dangerous Goods Class	
ADG Class:	3 (F1) Flammable liquids
IMDG Class:	3 Flammable liquids
Packing Group: ADG, IMDG, IATA	III
Marine pollutant:	No
EMS Number:	F-E, S-E
Hazchem Code:	.3YE
Special Provisions:	223, 274
Limited Quantities:	5L
Packagings & IBCs - Packing Instruction:	P001, IBC03, LP01
Packagings & IBCs - Special Packing Provisions:	Not applicable
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1, TP29

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15. Regulatory Information:

Australian Inventory of Chemical Substances:

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)
16389-88-1	Dolomite
100-42-5	Styrene Monomer

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

Poisons Schedule: 5

16. Other information

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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)

VOC: Volatile Organic Compounds

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)

Data compared to the previous version altered. GHS format

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011" The information contained in this material safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Fixtech Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. Fixtech Pty Ltd is not in a

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position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.