

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

Fixseal 1060 - Part A

1. Identification

1.1 Identification of the substance or preparation:

Product Name: Fixseal, FIX1060 - Part A
Description: Epoxy resin in flammable solvent

1.2 Use of substance or preparation:

Sealing and Priming

1.3 Company undertaking identification:

Fixtech Pty Ltd – Fixtech Marine Solutions
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

Hazardous Ingredients	CAS No.	R-phrases	Conc. In %
Xylene	1330-20-7	R20-R21-R38	40- 60%
Epoxy resin	25068-38-6	R36/38-R43-R51/533	30- 50%
PGMME	107-98-2	R10	<10%
Non-hazardous ingredients or those not affecting classification			to 100%

3. Hazardous identification

Classification:

Flam.Liq 3 H226: Flammable liquid and vapour.
ASP.1 H304: May be fatal if swallowed and enters airways.
Skin Corr. 2 H315: Causes skin irritation.

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Eye Dam.2A
STOT.3
STOT.2

H319: Causes serious eye irritation
H335: May cause respiratory irritation.
H373: May cause damage to organs through prolonged or repeated exposure.

Label elements

GHS label elements

The substance is classified and labelled according to the Globally Harmonised System (GHS)



Signal Word **DANGER**

GHS07

GHS02

GHS08

Hazard Statements:

Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure

Prevention and response statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P243: Take actions to prevent static discharges.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/ P331: Do NOT induce vomiting.

4. First aid measures

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

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After inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

Skin contact:

If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

After ingestion:

Ingestion:

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

5. Fire fighting measures

Suitable Extinguishing Media:

Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal protein foam can be used.

Hazchem or Emergency Action Code: · 3[Y]

Specific hazards arising from the substance or mixture:

Flammable liquid. On burning will emit toxic fumes, including those of oxides of carbon.

Special protective equipment and precautions for fire-fighters: Keep containers cool with water spray. If safe to do so, remove containers from path of fire. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

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6. Accidental release measures

Emergency procedures/Environmental precautions:

If contamination of sewers or waterways has occurred advise local emergency services.

Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:

Shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

7. Handling and storage

Precautions for safe handling:

Keep out of reach of children. Avoid skin and eye contact and breathing in vapour, mists and aerosols. May form flammable vapour mixtures with air. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area. Do NOT smoke. Vapour may travel a considerable distance to source of ignition and flash back.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Store away from foodstuffs. Keep containers closed when not in use - check regularly for leaks.

8. Exposure controls/personal protection

Control Parameters: No value assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standard(s) for constituent(s):

Xylene (o-, m-, p- isomers): 8hr TWA = 350 mg/m³ (80 ppm), 15 min STEL = 655 mg/m³ (150 ppm)

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

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TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

STEL (Short Term Exposure Limit) - the airborne concentration of a particular substance calculated as a time-weighted average over 15 minutes, which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Appropriate engineering controls:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Workplace Exposure Standards. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Individual protection measures, such as Personal Protective Equipment (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Personal Protection: H - OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES, RESPIRATOR.



Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator or air supplied mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. Physical and Chemical Properties

Appearance: Clear Liquid

Odour: Xylene solvent

Percent Volatile: 75% - 80%

Specific Gravity: 0.9 -1.0

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pH: Not Determined	Flammability Limits: N/A
Vapour Pressure: Not Determined	Boiling Point: Not Determined
Vapour Density: Not Determined	Flash Point: > 23 Deg C PMCC
Auto Ignition: Not Determined	Solubility /miscibility with water None

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

10. Stability and reactivity

Reactivity:	No information available
Chemical stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous reactions:	Hazardous polymerisation will not occur.
Conditions to avoid:	Avoid exposure to heat, sources of ignition, and open flame.
Incompatible materials:	Incompatible with oxidising agents and epoxy resins
Hazardous decomposition products:	Oxides of carbon.

11. Toxicological information

11.1 Short term hazards (Acute Exposure):

Swallowed:	Ingestion may cause irritation to mouth, throat and stomach, possibly resulting in nausea and vomiting
Eye:	Irritating to eyes
Skin:	This material should not be allowed to come into contact with the skin. Contact with skin may result in irritation.
Inhaled:	May be irritating to respiratory tract

Chronic Effects: High vapour concentrations (3000ppm) of propylene glycol monomethyl ether acetate caused upper respiratory irritation and liver and kidney effects in sub chronic animal testing. The relevance of these results to humans is not known.

12. Effects on the environment

Eco toxicity:	Avoid contaminating waterways
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Aquatic toxicity: Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment

13. Disposal considerations

Disposal methods:

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for incineration by an approved agent.

14. Transport information

Labels required:



Proper Shipping Name: Paint
Hazard Class: 3
ID Number: UN 1263

Hazchem Code: 3[Y]
Packing Group: III

15. Regulatory information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations

16. Other information

Acronyms

AICS: Australian Inventory of Chemical Substances
CAS Number: Chemical Abstracts Service Number
Hazchem Code: Emergency action code that provides information to emergency services.
UN Number: United Nations Number
R36/38 Irritating to eyes and skin
R43 May cause sensitisation by skin contact

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R51 Toxic to aquatic organisms

R53 May cause long-term adverse effects in the aquatic environment

Important Note:

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. Data quoted is typical for the product, but does not constitute a specification, and is based on the most accurate information available to Fixtech P/L at the time of writing. All information contained herein is given in good faith, but is subject to change without notice.

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