

SAFETY DATA SHEET

Fix2

1. Identification

1.1 Identification of the substance or preparation:

Product Name: Fix2 125ml Squeeze tube

1.2 Use of substance or preparation:

Adhesive Sealant

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. Hazards Identification

- **Classification of the substance or mixture**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified according to the Globally Harmonised System (GHS).






- **Signal word** Void
- **Hazard statements** Void

3. Composition and ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances below with non-hazardous additions
- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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Hazardous Components:		
52829-07-9	Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester  Acute Tox. 3, H331;  Aquatic Chronic 2, H411;  Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	0.1-<2.5%
54068-28-9	Diocetylbis(pentane-2,4-dionato-O,O')tin  Repr. 2, H361; STOT RE 2, H373;  Skin Sens. 1, H317; Aquatic Acute 3, H402; Aquatic Chronic 3, H412	0.1-<1%

4. First aid measures

4.1 General:

- In case of doubt or with persisting symptoms, obtain medical attention
- Never pass anything through the mouth of an unconscious person

4.2 Skin contact:

- Remove contaminated clothing
- Wash skin with soap and water
- Do not use solvents or thinners
- Seek medical advice if irritation persists

4.3 Eye contact:

- Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Remove contact lenses if present and continue rinsing
- Seek medical advice if irritation persists

4.4 After ingestion:

- Do not induce vomiting
- Wash mouth out with water and seek medical attention
- Seek medical advice if you feel unwell

4.5 Inhalation

- Remove patient from exposure, keep warm and at rest
- Seek medical advice if irritation persists

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5. Fire Fighting measures

- 5.1 Flash point:** No information available
- 5.2 Extinguishing media:** Polyvalent foam, carbon dioxide, ABC powder
- 5.3 Firefighting measures:** Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep exposed containers cool

Specific Hazards: Heating increases the fire hazard. Upon combustion, oxides of carbon and small quantities of nitrous vapours, hydrogen chloride and sulphur oxides are formed.

6. Accidental release measures

- 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**
- Wear Safe Work Australia approved respiratory protection and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.
- 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. Scoop solid spill into closing containers suitable for disposal. Wash contaminated surfaces with a soap solution.

7. Handling and storage

Note: See section 8 for Personal Protective Equipment.

Precautions for Safe Handling:

- Use of safe work practices are recommended to avoid eye or skin contact. Use with adequate ventilation. 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.

Conditions for Safe Storage:

- Store in a dry and well ventilated area at room temperature. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Maximum storage time one year. Suitable packaging material is synthetic material.

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8. Exposure controls/personal protection

Exposure Standards:

- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls:

- Use in the open area or provide with local exhaust ventilation or respiratory protection.

Respiratory Protection:

- Use a Safe Work Australia approved 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.

9. Physical and Chemical Properties

9.1 General information:

Physical Form:	Paste
Colour:	See product information
Odour:	Neutral
Density:	Ca. 1600 Kg/m ³
Viscosity:	Thixotropic paste
Flash point:	No information available
Boiling point:	No information available
Ignition Temperature:	No information available
Auto-ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Explosive properties:	Product does not present an explosion hazard.
Flammability:	Not easily combustible

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Solubility in water:	Insoluble
Solubility in other:	Organic solvents
pH:	No information available
Volatile content:	2%

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

10. Stability and reactivity

Possibility of Hazardous Reactions: No information available

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Heat, sparks, open flames, hot surfaces and direct sunlight. Incompatible

Materials: No information available

Hazardous Decomposition Products:

Upon combustion oxides of carbon, small amounts of nitrous vapours, hydrogen chloride and sulphur oxides are released.

11. Toxicological information

Toxicity:

LD50/LC50 Values Relevant for Classification:		
54068-28-9 Dioctylbis(pentane-2,4-dionato-O,O')tin		
Oral	LD ₅₀	2500 mg/kg (Rat) (Other)
Dermal	LD ₅₀	>2000 mg/kg (Rat) (OECD 402)
52829-07-9 Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester		
Inhalation	LC ₅₀ /4H	0.5mg/m ³ (Rat)

Acute Health Effects

Inhalation: No adverse health effects expected.

Skin: No adverse health effects expected.

Eye: No adverse health effects expected.

Ingestion: No adverse health effects expected.

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: No sensitising effects known.

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

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Carcinogenicity: This product does NOT contain any IARC listed chemicals.

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 exposure may cause drying, cracking of the skin, skin rash and inflammation.

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information:

May produce an allergic reaction

Contains traces of a (possible) fertility impairing substance

Contains traces of a (possible) teratogenic substance

12. Effects on the environment

Ecotoxicity: No information available

Acute Toxicity:

54068-28-9 Dioctylbis(pentane-2,4-dionato-O,O')tin

EC₅₀/24 h (static) 300 mg/l (scenedesmus subspicatus)

EC₅₀/ 48 h (static) 58.6 mg/l (daphnia) (OECD 202)

LC₅₀/96 h (static) 86 mg/l (fish) (OECD 203)

Persistence and Degradability: Contains non readily biodegradable component(s).

Bio accumulative Potential: No information available

Mobility in Soil: No information available

Other adverse effects:

Results of PBT assessment - Not applicable, based on available data.

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

14.1 Classification:

UN Number	:	Not Regulated
Proper Shipping Name	:	Not Regulated
Packaging Group	:	Not Regulated
Dangerous Goods Class	:	Not Regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Australian Inventory of Chemical Substances

52829-07-9	Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester
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Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) – Poison Schedule:

Not Scheduled

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms: GHS: Globally Harmonised 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)

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.