# Glue Guru

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

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|---|---|
| Product: | **Roof-Tac Liquid** |
| Product Use: | Industrial Adhesive |
| **New Zealand Supplier**: | Glue Guru |
| Address: | 1016E Great South Rd<br>Penrose, Auckland |
| Telephone: | 64 9 444 4878 |
| Fax Number: | 64 9 442 5975 |
| **NZ Emergency No:** | **0800 766 764 (National Poison Centre)** |
| **Australian Supplier:** | Glue Guru |
| Address: | 2/9 Leakes Road<br>Laverton North, VIC<br>Australia |
| Telephone No: | 1300 901 687 |
| E-mail: | enquiries@glueguru.com.au |
| **Australian Emergency No** | **13 11 26 (National Poison Centre)** |
| Date of MSDS Preparation: | 31 January 2024 |

### Section 2. Hazards Identification

**Australia:**
Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

**New Zealand:**
Classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Safety Data Sheets) Notice 2017 Part B Clause 9.

**EPA Approval Code: Surface Coatings and Colourants (Carcinogenic) – HSR0002679**

**Pictograms:**

**Signal Word: Warning**

| GHS Classification and Category | Hazard Code | Hazard Statement |
|---|---|---|
| Skin irritation Cat. 2 | H315 | Causes skin irritation. |
| Eye irritation Cat. 2 | H319 | Causes serious eye irritation. |
| Carcinogenicity Cat. 2 | H351 | Suspected of causing cancer. |

| | | |
|---|---|---|
| Specific target organ toxicity – repeated exposure Cat. 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |
| specific target organ toxicity - single exposure Cat 3 - Narcotic Effects | H336 | May cause drowsiness or dizziness. |

| Prevention Code | Prevention Statement |
|---|---|
| P103 | Read carefully and follow all instructions. |
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P260 | Do not breathe fumes, vapours or spray. |
| P264 | Wash hands thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective clothing [as detailed in SDS Section 8]. |

| Response Code | Response Statement |
|---|---|
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P302 + P352 | IF ON SKIN: Wash with plenty of water. |
| P304 + P340 | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. |
| P305 + P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308 + P313 | IF exposed or concerned: Get medical advice/ attention. |
| P332 + P313 | If skin irritation occurs: Get medical advice/ attention. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash before reuse. |

| Storage Code | Storage Statement |
|---|---|
| P405 | Store locked up. |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |

| Disposal Code | Disposal Statement |
|---|---|
| P501 | Dispose of according to Local Regulations or Authorities |

## Section 3. Composition of hazardous Ingredients

| Ingredients | Wt% | CAS NUMBER. |
|---|---|---|
| Dichloromethane | <60% | 75-09-2 |

## Section 4. First Aid Measures

Routes of Exposure:

If in Eyes — Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention. If frostbite, call a physician.

If on Skin — In case of contact with liquid, thaw frosted parts with water. Do not attempt to remove clothing which has stuck to the skin. Wash affected area with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Call a POISON CENTER/doctor.

If Swallowed — DO NOT induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower

than the hips to prevent vomit entering the lungs. Seek medical attention if needed.

If Inhaled — Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Immediately call a POISON CENTER or doctor/physician.

**Most important symptoms and effects, both acute and delayed**

Symptoms: Do not attempt to remove clothing that adheres to the skin due to freezing.

**Ingestion:** Not applicable.

**Inhalation:** May cause drowsiness or dizziness.

**Skin:** Causes skin irritation.

**Eye:** Causes serious eye irritation.

**Chronic:** Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

**Notes to Doctor:** Upon exposure to Dichlormethane: Do not administer any preparations of the adrenaline-ephedrine group.

## Section 5. Fire Fighting Measures

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|---|---|
| **Hazard Type** | Non Flammable |
| **Hazards from decomposition products** | In case of fire, stop leak if safe to do so. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. May decompose in a fire, giving off toxic and irritant vapours. Hazardous decomposition product(s): Hydrogen chloride, carbon oxides, Phosgene, Chlorine. |
| **Suitable Extinguishing media** | Water spray, foam, dry powder or $CO_2$.<br>Do not use water with full jet. Direct water jet may spread the fire. |
| **Precautions for firefighters and special protective clothing** | Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. If possible remove containers before using water. Keep containers cool by spraying with water if exposed to fire. |
| **HAZCHEM CODE** | **2Z** |

## Section 6. Accidental Release Measures

**Measures for personal safety:**

Avoid all contact. Use personal protective equipment as required. Ensure adequate ventilation. Remove clothing and wash thoroughly before use. In case of contact with liquid, thaw frosted parts with water, remove clothing carefully and wash with soap & water. Isolate the area and allow vapours to disperse. Evacuate the area and keep personnel upwind.

**Environmental measures:**

Do not allow product to reach sewage system or any water course.
For large spills: Contain the spillage. Any large spillage into watercourses must be alerted to the regulatory authority responsible for environmental protection or other regulatory body.

**Cleaning methods:**

Allow small spillages to evaporate provided there is adequate ventilation. Containers of this material may be hazardous when empty since they retain product residue. After the product has been recovered, rinse the area and materials involved with water and dispose as per Section 13.

## Section 7. Handling and Storage

**Precautions for Handling:**

- Read carefully and follow all instructions.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Do not breathe fumes, vapours or spray.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Wear protective clothing [as detailed in SDS Section 8].
- Ensure operatives are trained to minimise exposures.
- Ensure adequate ventilation.
- Avoid direct contact.
- Keep away from: Elevated temperature. Keep good industrial hygiene.
- Contaminated clothing should be thoroughly cleaned.
- Do not eat, drink or smoke at the work place.
- Keep from direct sunlight.

**Precautions for Storage:**

- Store away from incompatible materials: Acids, Bases, Strong oxidising agents. Avoid contact with alkali metals. Industrial Adhesives.
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Keep out of reach of children.
- Keep only in original container. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.
- Opened containers should be carefully resealed and stored in an upright position.
- Store at room temperature.

## Section 8 Exposure Controls / Personal Protection

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

| Substance | TWA ppm | TWA mg/m³ | STEL ppm | STEL mg/m³ |
|---|---|---|---|---|
| Methylene chloride (Dichloromethane) [75-09-2] | 50 | 174 | - | - |

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13TH EDITION.

**Engineering Controls**

Ensure adequate ventilation. Store in a cool/low-temperature, well-ventilated (dry) place away from heat.

**Personal Protection Equipment**

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|---|---|
| **Eyes** | Wear protective safety goggles EN166 |
| **Hands** | Wear protective gloves EN374 |
| **Skin** | Wear suitable coveralls to prevent exposure to the skin. |

| | |
|---|---|
| **Respiratory** | In case of inadequate ventilation wear respiratory protection. A suitable mask with filter type AX may be appropriate. |
| **General** | Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing gas. IF exposed: Wash immediately with water. Wash contaminated clothing before reuse. Do not eat, drink or smoke at the work place. |

## Section 9 Physical and Chemical Properties

| | |
|---|---|
| **Appearance** | Liquid |
| **Colour** | Clear or red |
| **Odour** | Solvent odour |
| **Odour Threshold** | Not available |
| **pH** | Not available |
| **Boiling Point** | $40^0$C |
| **Melting Point** | $-97^0$C |
| **Freezing Point** | Not available |
| **Flash Point** | -90 °C - [Closed cup] |
| **Flammability** | Not available |
| **Upper and Lower Explosive Limits** | 12% - 19% |
| **Vapour Pressure** | 70 psig @ 21.1 °C |
| **Vapour Density** | (Air=1) 2.15 |
| **Relative Density** | 1.3 g/mL @ 25 °C |
| **Water Solubility** | Insoluble (Hansen solubility test parameter) |
| **Partition Coefficient:** | Log Pow: 1.25 |
| **Auto-ignition Temperature** | > 556.1 °C |
| **Decomposition Temperature** | Not available |
| **Kinematic Viscosity** | Not available |
| **Particle Characteristics** | Not available |

## Section 10. Stability and Reactivity

| | |
|---|---|
| **Stability of Substance** | This product is stable under normal conditions. |
| **Possibility of hazardous reactions** | Stable under normal conditions. Hazardous polymerisation will not occur. |
| **Conditions to Avoid** | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep from direct sunlight. |
| **Incompatible Materials** | Acids, Bases, Strong oxidising agents. Avoid contact with alkali metals. |
| **Hazardous Decomposition Products** | May decompose in a fire, giving off toxic and irritant vapours. Hazardous decomposition product(s): Hydrogen chloride, carbon oxides, Phosgene, Chlorine |

## Section 11 Toxicological Information

**Acute Effects:**

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|---|---|
| **Swallowed** | Not applicable. Dichloromethane: LD50 (oral,rat) mg/kg: >2,000 (OECD 402) |
| **Dermal** | Not applicable. Dichloromethane: LD50 (skin,rat) mg/kg: >2,000 (OECD 402) |
| **Inhalation** | May cause drowsiness or dizziness. Dichloromethane: LC50 (inhalation,rat) mg/l/4h: 52 (OECD 402) |

| | |
|---|---|
| **Eye** | Causes serious eye irritation. |
| **Skin** | Causes skin irritation. |

**Chronic Effects:**

| | |
|---|---|
| **Carcinogenicity** | Suspected of causing cancer. |
| **Reproductive Toxicity** | Not applicable. |
| **Germ Cell Mutagenicity** | Not applicable. |
| **Aspiration** | Not applicable. |
| **STOT/SE** | Not applicable. |
| **STOT/RE** | Not applicable. |

## Section 12. Ecotoxicological Information

| | |
|---|---|
| **Product:** | |
| **Persistence and degradability** | Biodegradability < 26 % - Not readily biodegradable. (OECD 301C – Mixture) |
| **Bioaccumulation** | The product has no potential for bioaccumulation. |
| **Mobility in Soil** | The product is predicted to have low mobility in soil. Insoluble in water. |
| **Other adverse effects** | No data available |

Toxicity:
Based upon the available data, the classification criteria are not met.
Estimated LC50 (96 hour) > 100 mg/l (Fish)
Dichloromethane: LC50 (Fathead minnow) 193.00 mg/l – 96h

## Section 13. Disposal Considerations

**Disposal Method:**
Dispose of this material and its container to hazardous or special waste collection point. Do Make sure that packaging is completely empty before recycling. Containers of this material may be hazardous when empty since they retain product residue.
**Precautions or methods to avoid:** None known.

## Section 14 Transport Information

**This product is classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).**

**This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021**

**<u>Road, Rail, Sea and Air Transport</u>**

| | |
|---|---|
| UN No | 1593 |
| Class - Primary | 6.1 |
| Packing Group | III |
| Proper Shipping Name | DICHLORAMETHANE |
| Marine Pollutant | No |
| Special Provisions | If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG. |

## Section 15 Regulatory Information

**Australia:**
Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Classified as a Schedule 5 Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**New Zealand:**
Classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Safety Data Sheets) Notice 2017 Part B Clause 9.

EPA Approval Code: Surface Coatings and Colourants (Carcinogenic) – HSR0002679

| HSW (HS) Regulations 2017 and EPA Notices | Trigger Quantity |
|---|---|
| Certified Handler | Not required |
| Location Certificate | Not required |
| Tracking Trigger Quantities | Not required |
| Signage Trigger Quantities | Not required |
| Emergency Response Plan | 10 000L |
| Secondary Containment | 10 000L |
| Restriction of Use | Only use for the intended purpose. |

## Section 16 Other Information

**Glossary**

| | |
|---|---|
| Cat | Category |
| $EC_{50}$ | Median effective concentration. |
| EEL | Environmental Exposure Limit. |
| EPA | Environmental Protection Authority |
| HSNO | Hazardous Substances and New Organisms. |
| HSW | Health and Safety at Work. |
| $LC_{50}$ | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| $LD_{50}$ | Lethal dose to kill 50% of test animals/organisms. |
| LEL | Lower explosive level. |
| OSHA | American Occupational Safety and Health Administration. |
| TEL | Tolerable Exposure Limit. |
| TLV | Threshold Limit Value-an exposure limit set by responsible authority. |
| UEL | Upper Explosive Level |
| WES | Workplace Exposure Limit |

References:
Australia:


1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants, Safe work Australia.
6. American Conference of Industrial Hygienists (ACGIH).
7. Globally Harmonised System of classification and labelling of chemicals.

New Zealand:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been issued by the Glue Guru and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to the Glue Guru or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Glue Guru have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Glue Guru accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand distributor, Glue Guru, if further information is required.

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|---|---|---|---|
| Issue Date: | 31 January 2024 | Review Date: | 31 January 2029 |