

## SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

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

Product: **MERZ Bitumen Sealant**  
 Product Use: Sealant  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Merz Construction Products**  
 Address: 8B Vega Place  
 Rosedale  
 Auckland

Telephone: +64 220150200  
**Emergency No: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 11 March 2025

### Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**EPA Approval No: Surface Coatings and Colourants (Flammable) – HSR002662**

#### Pictograms



Signal Word: **Warning**

| GHS Classification and Category                     | Hazard Code | Hazard Statement                                   |
|-----------------------------------------------------|-------------|----------------------------------------------------|
| Flammable Liquids Cat. 3                            | H226        | Flammable liquid and vapour.                       |
| Hazardous to the aquatic environment chronic Cat. 3 | H412        | Harmful to aquatic life with long lasting effects. |

| Prevention Code | Prevention Statement                                                                           |
|-----------------|------------------------------------------------------------------------------------------------|
| P103            | Read carefully and follow all instructions.                                                    |
| P210            | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233            | Keep container tightly closed.                                                                 |
| P240            | Ground and bond container and receiving equipment.                                             |
| P241            | Use explosion-proof [electrical, ventilating and lighting] equipment                           |
| P242            | Use non-sparking tools.                                                                        |
| P243            | Take action to prevent static discharge.                                                       |
| P273            | Avoid release to the environment.                                                              |
| P280            | Wear protective clothing as detailed in SDS Section 8.                                         |

| Response Code | Response Statement |
|---------------|--------------------|
|---------------|--------------------|

|                  |                                                                                                            |
|------------------|------------------------------------------------------------------------------------------------------------|
| 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 CO2, sand or extinguishing powder to extinguish.                                      |

|                     |                                              |
|---------------------|----------------------------------------------|
| <b>Storage Code</b> | <b>Storage Statement</b>                     |
| P403 + P235         | Store in a well-ventilated place. Keep cool. |

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| <b>Disposal Code</b> | <b>Disposal Statement</b>                                |
| P501                 | Dispose of according to Local Regulations or Authorities |

### Section 3. Composition / Information on Hazardous Ingredients

| Ingredients                              | Wt%    | CAS NUMBER. |
|------------------------------------------|--------|-------------|
| Solvent naphtha (petroleum), light arom. | 5-9    | 64742-95-6  |
| Xylene                                   | 3-5    | 1330-20-7   |
| Non-hazardous                            | To bal |             |

### Section 4. First Aid Measures

Routes of Exposure:

|              |                                                                                                                                    |
|--------------|------------------------------------------------------------------------------------------------------------------------------------|
| If in Eyes   | Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice.                                        |
| If on Skin   | Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.                                       |
| If Swallowed | Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. Seek medical attention if needed. |
| If Inhaled   | Remove person to fresh air. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.                 |

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

Symptoms: None known.

### Section 5. Fire Fighting Measures

|                                                                     |                                                                          |
|---------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>Hazard Type</b>                                                  | Flammable Liquid or Vapour                                               |
| <b>Hazards from combustion products</b>                             | No data available.                                                       |
| <b>Suitable Extinguishing media</b>                                 | CO2, sand, extinguishing powder. Do not use water.                       |
| <b>Precautions for firefighters and special protective clothing</b> | Wear full protective gear including mouth respiratory protective device. |
| <b>HAZCHEM CODE</b>                                                 | <b>3Y</b>                                                                |

### Section 6. Accidental Release Measures

#### For emergency responders:

Wear protective equipment as detailed in Section 8. Keep unprotected persons away. Keep away from ignition sources.

#### Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

### Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not flush with water or aqueous cleansing agents. Dispose as per Section 13.

## Section 7. Handling and Storage

### Precautions for Handling:

- Read carefully and follow all instructions.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep container tightly closed.
- Ground and bond container and receiving equipment.
- Use explosion-proof [electrical, ventilating and lighting] equipment
- Use non-sparking tools.
- Take action to prevent static discharge.
- Avoid release to the environment.
- Wear protective clothing as detailed in SDS Section 8.

### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store in a well-ventilated place. Keep cool.
- Store only in the original receptacle.
- Keep container tightly sealed.

## Section 8 Exposure Controls / Personal Protection

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

| Substance                              | TWA |                   | STEL |                   |
|----------------------------------------|-----|-------------------|------|-------------------|
|                                        | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Xylene (o-, m-, p-isomers) [1330-20-7] | 50  | 217               | -    | -                 |

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 Feb 2025 15<sup>TH</sup> EDITION.

### Engineering Controls

Ensure adequate ventilation.

### Personal Protection Equipment



|                    |                                                                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eyes</b>        | Goggles recommended during refilling.                                                                                                        |
| <b>Hands</b>       | Protective gloves according to EN 374 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. |
| <b>Skin</b>        | Protective work clothing.                                                                                                                    |
| <b>Respiratory</b> | Not required.                                                                                                                                |
| <b>General</b>     | Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.                                              |

## Section 9 Physical and Chemical Properties

|                   |                                    |
|-------------------|------------------------------------|
| <b>Appearance</b> | Pasty                              |
| <b>Colour</b>     | According to product specification |

Product Name: **Tekadom Bitumen**  
Date of SDS: 11 March 2025

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
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|                                         |                                   |
|-----------------------------------------|-----------------------------------|
| <b>Odour</b>                            | Characteristic                    |
| <b>Odour Threshold</b>                  | Not available                     |
| <b>pH</b>                               | Not available                     |
| <b>Boiling Point</b>                    | Not available                     |
| <b>Melting Point</b>                    | Not available                     |
| <b>Freezing Point</b>                   | Not available                     |
| <b>Flash Point</b>                      | > 30 °C                           |
| <b>Flammability</b>                     | Not available                     |
| <b>Upper and Lower Explosive Limits</b> | 0.7% - 7.5% vol                   |
| <b>Vapour Pressure</b>                  | 5 hPa @ 20°C                      |
| <b>Vapour Density</b>                   | Not available                     |
| <b>Density @ 20°C</b>                   | 1.44 g/cm <sup>3</sup>            |
| <b>Water Solubility</b>                 | Not miscible or difficult to mix. |
| <b>Partition Coefficient:</b>           | Not available                     |
| <b>Ignition Temperature</b>             | 240 °C                            |
| <b>Auto-ignition Temperature</b>        | Product is not selfigniting.      |
| <b>Decomposition Temperature</b>        | Not available                     |
| <b>Dynamic Viscosity</b>                | 700000 mPas @ 20°C                |
| <b>Particle Characteristics</b>         | Not available                     |

## Section 10. Stability and Reactivity

|                                           |                                                       |
|-------------------------------------------|-------------------------------------------------------|
| <b>Stability of Substance</b>             | This product is stable under normal conditions.       |
| <b>Possibility of hazardous reactions</b> | No dangerous reactions known.                         |
| <b>Conditions to Avoid</b>                | No further relevant information available.            |
| <b>Incompatible Materials</b>             | No further relevant information available.            |
| <b>Hazardous Decomposition Products</b>   | No decomposition if used according to specifications. |

## Section 11 Toxicological Information

### Acute Effects:

|                   |                                                              |
|-------------------|--------------------------------------------------------------|
| <b>Swallowed</b>  | This product is not classified as acutely toxic.             |
| <b>Dermal</b>     | This product is not classified as acutely toxic.             |
| <b>Inhalation</b> | This product is not classified as acutely toxic.             |
| <b>Eye</b>        | This product is not classified an eye irritant/corrosive.    |
| <b>Skin</b>       | This product is not classified as a skin irritant/corrosive. |

### Chronic Effects:

|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| <b>Carcinogenicity</b>        | This product is not classified as carcinogenic.           |
| <b>Reproductive Toxicity</b>  | This product is not classified as toxic for reproduction. |
| <b>Germ Cell Mutagenicity</b> | This product is not classified as mutagenic.              |
| <b>Aspiration</b>             | This product is not classified as Asp Tox.                |
| <b>STOT/SE</b>                | This product is not classified as STOT SE.                |
| <b>STOT/RE</b>                | This product is not classified as STOT RE.                |

### Individual component information:

#### Acute Toxicity:

| <b>Chemical Name</b>                     | <b>Oral – LD50</b> | <b>Dermal – LD50</b> | <b>Inhalation – LC50</b> |
|------------------------------------------|--------------------|----------------------|--------------------------|
| Solvent naphtha (petroleum), light arom. | >6800 mg/kg (rat)  | >3400mg/kg (rabbit)  | >10.2 mg/L/4h (rat)      |

|                    |                  |                     |   |
|--------------------|------------------|---------------------|---|
| CAS: 64742-95-6S   |                  |                     |   |
| Xylene (1330-20-7) | 4300 mg/kg (rat) | 2000 mg/kg (rabbit) | - |

## Section 12. Ecotoxicological Information

Harmful to aquatic life with long lasting effects.

|                                      |                   |
|--------------------------------------|-------------------|
| <b>Product:</b>                      |                   |
| <b>Persistence and degradability</b> | No data available |
| <b>Bioaccumulation</b>               | No data available |
| <b>Mobility in Soil</b>              | No data available |
| <b>Other adverse effects</b>         | No data available |

Do not allow to enter waterways.

## Section 13. Disposal Considerations

### Disposal Method:

Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Flammable and that the label also has the Flammable Pictogram, waste type identifier, and the business name, address, and phone number.

**Precautions or methods to avoid:** Avoid release to the environment.

## Section 14 Transport Information

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



### Road, Rail, Sea and Air Transport

|                             |                                                                                                                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN No</b>                | 1133                                                                                                                                                                                                                                                       |
| <b>Class - Primary</b>      | 3                                                                                                                                                                                                                                                          |
| <b>Packing Group</b>        | III                                                                                                                                                                                                                                                        |
| <b>Proper Shipping Name</b> | ADHESIVES containing flammable liquid                                                                                                                                                                                                                      |
| <b>Marine Pollutant</b>     | No                                                                                                                                                                                                                                                         |
| <b>Special Provisions</b>   | 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

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

| <b>HSW (HS) Regulations 2017 and EPA Notices</b> | <b>Trigger Quantity</b>            |
|--------------------------------------------------|------------------------------------|
| Certified Handler                                | Not required                       |
| Location Certificate                             | 500L (>5L); 1500L (<5L); 250L open |

|                             |                                    |
|-----------------------------|------------------------------------|
| Tracking Trigger Quantities | Not required                       |
| Signage Trigger Quantities  | 1000L                              |
| Emergency Response Plan     | 1000L                              |
| Secondary Containment       | 1000L                              |
| Restriction of Use          | Only use for the intended purpose. |

## Section 16 Other Information

### Glossary

|                  |                                                                                         |
|------------------|-----------------------------------------------------------------------------------------|
| Cat              | Category                                                                                |
| EC <sub>50</sub> | Median effective concentration.                                                         |
| EEL              | Environmental Exposure Limit.                                                           |
| EPA              | Environmental Protection Authority                                                      |
| HSNO             | Hazardous Substances and New Organisms.                                                 |
| HSW              | Health and Safety at Work.                                                              |
| LC <sub>50</sub> | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| LD <sub>50</sub> | 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:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Feb 2025 15<sup>th</sup> 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

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

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