






Date of issue: 4.06.21

NZ Safety Data Sheet

1. Identification of the Substance/Mixture and Supplier.

| | |
|------------------------------|---|
| Product Name: | JM TPO LVOC EDGE SEALANT - CLEAR |
| Uses: | Sealant |
| Supplier: | Nuralite Waterproofing Ltd 60D Leon Leicester Avenue Mt Wellington Auckland 1060 New Zealand. |
| Telephone: | +64 9 579 2046 |
| Web: | www.nuralite.co.nz |
| Emergency Telephone: | 027 5350899 (General Manager) – 24 hrs |
| National Poisons Centre Tel: | 0800 POISON (0800 764766) – 24 hrs |

2. Hazards Identification.**Hazardous Status:** Classified as hazardous according to the criteria of HSNO.**DG Status:** Classified as Dangerous Goods according to NZS5433

| HAZARD CLASSIFICATIONS | HAZARD STATEMENTS | GHS Pictogram |
|--|---|---|
| Flammable liquids, Cat 2 | H225 Highly flammable liquid and vapour. |  |
| Skin corrosion/irritation, Cat 2 | H315 Causes skin irritation. |  |
| Serious eye damage/irritation, Cat 2A/2B | H319 Causes serious eye irritation. |  |
| Reproductive toxicity, Cat 2 | H361 Suspected of damaging fertility or the unborn child. |  |
| STOT-RE, Cat 2 | H373 May cause damage to organs through prolonged or repeated inhalation. |  |

Signal Word: DANGER

PREVENTION STATEMENTS

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| P103 | Read label before use. |
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P260 | Do not breathe mist/vapours/spray. |
| P264 | Wash thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

RESPONSE STATEMENTS

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| P370 + P378 | In case of fire: Use foam, carbon dioxide or dry chemical powder for extinction. |
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| P308 + P313 | IF exposed or concerned: Get medical advice/attention. |
| P314 | Get medical advice/attention if you feel unwell. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |

STORAGE STATEMENTS

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| P403 + P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |

DISPOSAL STATEMENTS

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| P501 | Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information. |
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3. Composition/Information on Ingredients.

| Chemical Entity | CAS Number | Proportion %w/w |
|---|------------|-----------------|
| Benzene, 1-chloro-4-(trifluoromethyl)- | 98-56-6 | 60-80 |
| Toluene | 108-88-3 | 5-10 |
| Other ingredients: Non-hazardous or below the hazardous threshold – to 100% | | |

4. First Aid Measures.

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| Swallowed | If swallowed do NOT induce vomiting. Give water to drink. Get medical attention if symptoms occur. |
| Inhaled | If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Obtain medical attention if symptoms occur. |
| Eye Contact | If splashed in the eyes, wash out immediately with water. Obtain medical attention if irritation occurs. |
| Skin Contact | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if symptoms occur. |
| Further Information | For advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately. |

5. Fire-Fighting Measures.

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| Suitable extinguishing media | In case of fire, use water spray (fog), foam, dry chemical or CO2. |
| Unsuitable extinguishing media | High volume water jet. |
| Hazards from the substance | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Hazardous combustion products | Decomposition products may include: Carbon oxides, Nitrogen oxides, Hydrogen chloride gas, Hydrogen fluoride. |
| Special precautions for fire-fighters | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective equipment for fire fighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

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6. Accidental Release Measures.

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| Personal precautions | Wear appropriate Personal Protective Equipment (see section 8). Provide adequate ventilation. Remove all sources of ignition. |
| Environmental precautions | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Spill | Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal. |

7. Handling and Storage.

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| Handling | Use explosion-proof equipment. Electrical equipment should be protected to the appropriate standard. Take measures to prevent the build up of electrostatic charge. Use only in area provided with appropriate exhaust ventilation. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Do not use sparking tools. Use only in area provided with appropriate exhaust ventilation. Provide exhaust ventilation close to floor level. Do not breathe vapours or spray mist. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. For personal protection see section 8. |
| Storage | Keep containers tightly closed in a dry, cool and well-ventilated place. To maintain product quality, do not store in heat or direct sunlight. Use explosion-proof equipment. |

8. Exposure Control/Personal Protection

| Exposure Standards | | | |
|-----------------------------|--|-----------------|------------------|
| Product/Ingredient | WES/TWA | WES/STEL | Reference |
| Toluene | 636 - Rat | - | 12.5 – Vap - Rat |
| Engineering Controls | General ventilation and local exhaust should be suitable to keep vapour concentrations below WES/TWA. Ventilation equipment should be explosion-proof when operating in flammable zones. | | |
| Personal Protection |  | | |
| Respiratory | Wear a vapour respirator. | | |
| Eyes | Wear chemical goggles/face protection. | | |
| Hands | Wear chemical gloves – PVC, Polychlorpropene or Nitrile. | | |
| Other | Wear overalls or dust coat. Use PVC apron when handling large quantities. | | |

9. Physical and Chemical Properties

| PROPERTY | SPECIFICATION |
|-----------------|------------------------|
| Physical state | Liquid |
| Colour | Colourless |
| Odour | Pleasant, acetone-like |

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| pH | No data |
| Boiling Pt | 139°C |
| Melting Pt | No data |
| Evaporation Rate | 2 (n-Bu Acetate = 1) |
| Flash Pt | 4°C |
| Explosive properties | LEL: 0.9%(v), UEL: 10.5%(v) |
| Vapour pressure | 40 hPa @ 20°C |
| Density | 1.20 g/mL (20°C) |
| Solubility | No data |
| Viscosity | No data |
| Auto Ignition temperature | 480°C |

10. Stability and Reactivity

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| Stability | The product is stable |
| Possibility of hazardous reactions | Vapours may form explosive mixture with air. Stable under recommended storage conditions. |
| Conditions to avoid | Heat, flames and sparks. |
| Incompatible materials | Oxidizing agents, Strong acids and strong bases Amines, Ammonia Copper, halogenated compounds isocyanates |
| Hazardous decomposition products | In case of fire hazardous decomposition products may be produced such as: carbon oxides, Hydrogen chloride gas, Hydrogen fluoride |

11. Toxicological Information

Original data sourced from CCID – mixture rules applied.

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| Acute Oral Toxicity | Not Classified |
| Acute Dermal Toxicity | Not Classified |
| Acute Inhalation Toxicity | Not Classified |
| Acute Aspiration Toxicity | Not Classified |
| Skin Irritancy/Corrosion | Causes skin irritation. |
| Eye Irritancy/Corrosion | Causes serious eye irritation. |
| Respiratory Sensitisation | Suspected of damaging fertility or the unborn child. |
| Skin Sensitisation | Not Classified |
| Mutagenic | Not Classified |
| Carcinogenic | Not Classified |
| Reproductive/Development Toxicity | Not Classified |
| STOT-SE | Not Classified |
| STOT-RE | May cause damage to organs through prolonged or repeated inhalation. |

Toxicity Data

Product Acute Toxicity Estimate

ORAL LD50

>2000 mg/kg

DERMAL LD50

>2000 mg/kg

INHALATION LC50 (vapours)

>20 mg/L/4H

| Ingredient: | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 mg/L/4H |
|--------------------|------------------------|--------------------------|--------------------------------|
| Toluene | 636 - Rat | - | 12.5 – Vap - Rat |

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12. Ecological Information

This product is not classified as Ecotoxic according to the criteria of HSNO.

Ecotoxicity Data - CCID

| Ingredient | Species |
|-----------------------------|--|
| Toluene | FISH |
| | SPECIES: Oncorhynchus mykiss Rainbow trout,donaldson trout TYPE OF EXPOSURE: DURATION: 96 hr ENDPOINT: LC50 (Mortality) VALUE: 5.8 mg/l |
| | CRUSTACEAN |
| | ACUTE SPECIES: Daphnia magna (Crustacea) TYPE OF EXPOSURE: DURATION: 48 hr ENDPOINT: EC50 VALUE: 11.5 mg/l |
| | CHRONIC SPECIES: Daphnia magna TYPE OF EXPOSURE: DURATION: 21 day ENDPOINT: NOEC VALUE: 1 mg/l |
| | ALGAL |
| | SPECIES: Selenastrum capricornutum TYPE OF EXPOSURE: DURATION: 3 day (72 hr) ENDPOINT: EC50 (Growth) VALUE: 12.500mg/L |
| Toluene | |
| Persistence & Degradability | Rapidly degradable |
| Mobility | No data |
| Bioaccumulative Potential | Not bioaccumulative |

13. Disposal Considerations.

Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.

14. Transportation Information.

| | |
|-------------------------|--------------------------------|
| Regulated for transport | Keep separated from foodstuffs |
| UN Number: | 1133 |
| Proper Shipping Name: | ADHESIVES |
| Class: | 3 |

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| Packing Group: | II |
| Hazchem: | 3YE |
| Marine Pollutant: | No |



15. Regulatory Information.

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| Group Standard: | HSR002662 Surface Coatings & Colorants - Flammable |
| HSNO CONTROLS | |
| SDS required when any quantity is present in a workplace. | |
| At least 2 x 4.5kg powder fire extinguishers required when >250L is present in a workplace. | |
| Emergency Response Plan and Secondary Containment required when >1000L is present in a workplace | |
| Flammable signage required when >250L is stored. | |
| (Class 3.1B /Flammable Liquid, Cat 2) Hazardous Substances Location Compliance Certificate required for: | >100L (closed containers >5L) >250L (closed containers up to 5L) >50L (open containers) |
| (Class 3.1B, 3.1C /Flammable Liquid, Cat 2/3) Hazardous Atmosphere Zone required for: | >100L (closed containers) >25L (decanting) >5L (open occasionally) >1L (open containers in continuous use) |
| Certified Handler | Not Required |
| Tracking | Not Required |
| This material is not subject to the following agreements: <ul style="list-style-type: none"> Montreal Protocol (Ozone Depleting Substances) The Stockholm Convention (Persistent Organic Pollutants) The Rotterdam Convention (Prior Informed Consent) | |
| All ingredients are on the New Zealand Inventory of Chemicals (NZIoC), or exempt. | |
| Any existing national regulations on the handling of dangerous substances should be observed. Controls for hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will need to take into account aggregate quantities. Contact a WorkSafe approved Compliance Certifier for further information and guidance. | |
| 16. Other Information. | |
| HSNO = Hazardous Substances and New Organisms Act. EPA = Environmental Protection Authority CCID = Chemical Classification and Information Database (EPA) NZ WES = New Zealand Work Exposure Standard TWA = Time Weighted Average STEL = Short Term Exposure Limit Date of SDS Preparation: 4 June 2021 | |

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.