

SAFETY DATA SHEET

Section 1.	Identification of the material and the supplier
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Product: Loxeal 18-10
 Product Use: Adhesive/Sealant
 Restrictions of use: Refer to Section 15

New Zealand Supplier: Waterworks Wholesale Ltd
 Address: 90 Hurlstone Drive New Plymouth, New Zealand
 Telephone: +64 (0)6 769 6373

Date SDS Issued: 25 July 2017

Section 2.	Hazards Identification
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Australia – This substance is hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals, 3rd Revised Edition

NZ - This substance is hazardous according to The *HSNO (Minimum Degrees of Hazard) Regulations 2001*

NZ - EPA Approval Code: Surface Coatings and Colourants (subsidiary) - HSR002670

Pictograms



Irritant



Chronic

SIGNAL WORD: Warning

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
6.3A	H315	Causes skin irritation.	Category 2
6.4A	H319	Causes serious eye irritation.	Category 2A
6.5B	H317	May cause an allergic skin reaction.	Category 1
6.6B	H341	Suspected of causing genetic defects.	Category 2
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	Category 2

9.1C	H412	Harmful to aquatic life with long lasting effects.	Category 3
9.2C	H423	Harmful to the soil environment.	
9.3C	H433	Harmful to terrestrial vertebrates.	

Prevention Code Prevention Statement

P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe fume or vapours.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing.
P281	Use personal protective equipment as required.

Response Code Response Statement

P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P362	Take off contaminated clothing and wash before re-use.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
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.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Storage Code Storage Statement

P405	Store locked up.
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Disposal Code Disposal Statement

P501	Dispose of according to the local authorities
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Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Hydroxypropyl methacrylate	5-10	27813-02-1
Cumene hydroperoxide	1-2.5	80-15-9
Ethenediol	1-5	107-21-1

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Rinse skin with water/shower. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: Get medical advice/ attention.
If Swallowed	Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. If vomiting occurs, give further water and get to a doctor or hospital quickly. Immediately call a POISON CENTER or doctor/physician.

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. Get medical advice if breathing becomes difficult.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable.
Hazards from products	Burning produces irritating, toxic and obnoxious fumes. Carbon monoxide, carbon dioxide, and unknown hydrocarbons.
Suitable Extinguishing media	Foam, carbon dioxide or dry powder. Unsuitable: Water
Precautions for firefighters and special protective clothing	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Wear protective clothing as described in Section 8 of this safety data sheet.
 Absorb with sand or other inert absorbent. Transfer to a container for disposal.
 Do not allow to enter waterways. Dispose of according to Local Regulations.

Section 7. Handling and Storage

Handling:

- Keep out of reach of children.
- Read label before use.
- Do not breathe fumes or vapours.
- Wash hands thoroughly after handling.
- Use in a well ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing and equipment.
- Avoid eating, drinking and smoking when using the product.

Storage:

- Store in closed original container at temperatures between 5°C and 25°C.
- Store locked up.
- Never return unused material to storage receptacle.
- This product is not recommended for use in joints which will be in contact with either pure oxygen or steam.
- Store away from incompatible materials listed in Section 10.

Section 8 Exposure Controls / Personal Protection

Exposure Limit Values:

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

TWA STEL

Substanceppm mg/m³ppm mg/m³

Ethylene glycol vapour & mist [107-21-1]

Ceiling 50 ppm (127 mg/m³)

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.

Engineering Controls

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Personal Protection Equipment

Eyes	Safety glasses with side shields. Avoid wearing contact lenses.
Hands and Skin	Nitrile rubber or Viton TM gloves are recommended. Cotton or other absorbent gloves should not be worn. Must wear appropriate protective clothing and equipment to prevent any possibility of skin contact with this substance.
Respiratory	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
Hygiene Measures	Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Use of good industrial hygiene practices is required.

Section 9**Physical and Chemical Properties**

Appearance	White viscous liquid
Colour	Slightly pungent odour
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	>100°C
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Relative Density	1.0
Solubility	Slightly soluble in water. Miscible with: Acetone
Partition Coefficient:	Not available
Auto Ignition temp	Not available
Oxidising	Not available
Viscosity	≈45000 mPa s @ 25°C Thixotropic

Section 10. Stability and Reactivity

Stability of Substance	Stable at normal ambient temperatures and when used as recommended.
Reactivity	The following materials may react with the product: Strong oxidising agents.

Conditions to Avoid	Avoid the absence of air, and metal contamination.
Incompatible Materials	Metals and their salts. Free radical initiators.
Hazardous Decomposition Products	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes serious eye irritation.
Skin	Causes skin irritation. May cause an allergic skin reaction.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Suspected of causing genetic defects.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.

Section 12. Ecotoxicological Information

New Zealand:

HSNO Classes: 9.1C = Harmful to aquatic life with long lasting effects.
9.2C = Harmful to the soil environment.
9.3C = Harmful to terrestrial vertebrates.

Persistence and degradability	No data available
Biodegradation	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method: Empty packaging completely prior to disposal. Place any recovered product into an appropriate waste container for disposal through appropriate waste company or specialized landfill in accordance with local regulations.

Precautions: Ensure any container holding waste product, rinsate, or contaminated spill media is labelled "Hazardous Waste – Ecotoxic". Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in Australia; ADG 7
This product is NOT classified as a Dangerous Good for transport: NZS 5433:2012

Section 15 Regulatory Information**Australia:**

Australia – This substance is hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals, 3rd Revised Edition

Poison Schedule No: Not Scheduled

New Zealand:

EPA Approval Code: Surface Coatings and Colourants (subsidiary) - HSR002670

HSNO Classification: 6.3A, 6.4A, 6.5B, 6.6B, 6.9B, 9.1C, 9.2C, 9.3C

HSNO Controls in New Zealand:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L (9.1C)
Emergency Response Plan trigger Quantities	1000L (9.1C)
Secondary Containment	1000L (9.1C)
Restrictions of use	None

Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.
2. Safe Work Australia NOHSC 2011 National Code of Practice

Disclaimer

This document has been issued by the TCC(NZ) Ltd and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to the TCC(NZ) Ltd 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 TCC(NZ) Ltd 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, TCC(NZ) Ltd 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

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