

Dryden Distribution Ltd.

Date of issue: 31st July 2019

1. Identification of the substance/preparation and the company

Product name: **Dryden End Seal**

Supplier: **Dryden Distribution Ltd.**

Address: **11 Airborne Road
Albany
Auckland
New Zealand**

Telephone: **(0064) (9) 447 3995 or 0800 379 336** Telefax: **(0064) (9) 447 3994**

In case of Poisoning, telephone **National Poisons Centre: 0800 764 766 or doctor/physician.**

Uses: **Sealing Timbers**

2. Hazards identification

Emergency Overview: Milky-white emulsion with a faint odour. Will not burn readily due to the water content. No significant health or environmental hazards. May become a slip hazard if spilled.

Dangerous Goods Information:
Not Dangerous Goods according to the ADG Code.

Hazardous Substances Information:
Not a Hazardous Substance according to the Criteria of the Australian NOHSC.
Not a Hazardous Substance according to the Criteria of the Hazardous Substances and New Zealand Organisms Act and Regulations

Poison Schedule Not Applicable

Signal Word Not Applicable

Acute Health Effects

Swallowed	Slightly harmful if swallowed.
Eye	May cause eye irritation. It is likely to cause mild discomfort such as watering and redness of the eyes. This should disappear quickly once the exposure is over.
Skin	May cause skin irritation. Effects may include: itchiness, occasional small blisters or slight skin blistering.
Inhaled	If a mist is formed: May cause irritation of the nose, throat and lungs.

Chronic Health Effects

All Routes Respiratory problems may arise from continued poor handling practice.

This Material Safety Data Sheet may not provide exhaustive guidance for all HSNO Controls assigned to this substance. The EPA Web Site should be consulted for a full list of triggered controls and cited regulations.

3. Composition/information on ingredients

Chemical name:	CAS-No.	%-content	Class
Morpholine	110-91-8	0 -<1%	R20/21/22-34 at ≥25% R36/38 at ≥1% to <10%
Paraffin Wax	8002-74-2	0%-60%	None
Microcrystalline Wax	63231-60-7	0%-60%	None
Slack wax (Petroleum)	64742-61-6 *	0%-70%	None *
Other Non Hazardous Ingredients	Confidential	5%-50%	None
Water	7732-18-5	30%-80%	None
Biocide Confidential		<1%	None

This is a commercial product, and the exact ratio of components may vary.
Trace quantities of impurities are also likely.

* In the 1999 List of Designated Hazardous Substances, however No Risk Phrases are to be assigned as it meets the criteria in Note L and Note N and is NOT a hazardous substance.

4. First-aid measures

First Aid:	If you feel unwell: Call National Poisons Centre or doctor/physician If medical advice is needed, have product container or label at hand.
Swallowed	If product enters the mouth, thoroughly wash mouth with water, then give some water to drink. Seek medical advice.
Eye	If this product comes into contact with eyes, hold open and wash with running water. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. Seek medical advice.
Skin	If this product comes into contact with skin, wash skin with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again. Seek medical advice if effects persist.
Inhaled	If mist is inhaled, remove to fresh air. Keep at rest until fully recovered. If unusual symptoms develop, seek medical attention.
First-Aid Facilities	Eye wash and safety shower, plus normal washroom facilities nearby.
Advice to Doctor	Treat symptomatically.

5. Fire-fighting measures

Fire or Explosion Hazard:	Does not burn initially due to its 30-60% water content, however this material can ignite and burn under fire conditions once the water has evaporated.
Extinguishing Media:	Carbon dioxide, dry chemical, foam, water.
Combustion Product Hazards:	Carbon monoxide and smoke (if combustion is incomplete).
Special Protective Precautions & Equipment:	Move containers from the fire area if it can be done without risk. Decomposition products are toxic. Fire-fighters may need to wear self contained breathing apparatus.

6. Accidental release measures

Emergency Procedures, Containment & Cleanup:	In event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. After spills, wash area, preventing run off from entering drains See Section 13 for Disposal Considerations
Special Issues:	Slippery on floors, especially when wet.

7. Handling and storage

Safe Handling	Avoid spillage. Avoid contact with strong oxidising agents and strong acids.
Safe Storage	Store in a well ventilated area. Store away from sources of high heat, strong oxidising agents and strong acids. Keep containers closed at all times.

8. Exposure controls and personal protection

National Exposure Standards:

Exposure standards determined by the Australian National Occupational Health and Safety Commission, as applicable.

Morpholine 20 ppm 71 mg/m³ TWA Skin
 Skin – Absorption through the skin may be a significant source of exposure.

Ethanolamine 3 ppm 7.5 mg/m³ TWA 6 ppm 15 mg/m³ STEL

The other ingredients do not have an exposure standard.

Design and Engineering Control Measures:

Use good ventilation to maintain the air concentration below the exposure standards. Air concentrations may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe airborne concentrations of mists, dusts or vapours are high you are advised to modify the process or environment to reduce the problem.

Personal Protective Equipment:

Avoid skin and eye contact. Avoid inhaling mist or heated fumes. The following personal protective equipment should be used:

- (1). Use of protective gloves for handling product at room temperature is required to avoid skin contact (e.g. rubber or plastic).
- (2). Safety glasses with side shields, or chemical goggles as appropriate.
- (3). Closed shoes or safety boots as appropriate.
- (4). Clean overalls or similar protective apparel, preferably with an apron.
- (5). If a risk of vapour overexposure exists due to overheated product; use an organic vapour respirator meeting AS1715/1716.

Where applicable refer to the following Standards:
 AS/NZS 1337 Eye protectors for industrial applications.
 AS 2161 Industrial safety gloves and mittens.
 AS 2210 Safety footwear.
 AS 3765 Clothing for protection against hazardous chemicals.
 AS/NZS 1715 Selection, use and care of respiratory protection devices.
 AS/NZS 1716 Respiratory protection devices.

Always wash hands before smoking, eating, drinking or using the toilet.

9. Physical and chemical properties

Physical Form	Liquid Emulsion
Appearance and Odour	Milky white. Faint odour.
Chemical Formula	
(for the main ingredients)	Not available
Melting Point / Boiling Point	MP Not applicable BP 100°C
Vapour Pressure	As for water.
Specific Gravity	0.96 approx. at 20°C
Relative Vapour Density	Not available (air=1)
Solubility	Completely soluble in water.
Percent volatile by volume	30-80%
pH	8-11 (of the emulsion);
Odour Threshold	Not available
Saturated Vapour Conc'n	Not available
Evaporation Rate	<1 (Butyl Acetate = 1)
Water / Oil Partition	
Co-efficient	log P(octanol/water) - (Not available)
Corrosiveness	Not corrosive.

Flammable Properties

Flashpoint	Not applicable (does not burn)
Flammability Limits (FL) (%)	Lower FL: - Upper FL: - (Not applicable)
Auto-ignition Temp	Not applicable

10. Stability and reactivity

Chemical Stability:	Stable.	
Conditions To Avoid:	Mist formation.	
Incompatible Materials:	Strong oxidizers, strong acids.	
Unsuitable Container Materials:	None known.	
Hazardous Decomposition Products:	If Overheated:	Irritating fumes.
	If Burnt:	Carbon monoxide and smoke (if combustion is incomplete)
Hazardous Reactions:	Hazardous polymerisation will not occur	

11. Toxicological information

Overall Product Toxicity Data:

Acute Oral Toxicity LD50 (rat): >2000 mg/kg

All the listed hazardous ingredients are at concentrations below their lowest cut-off concentrations for irritant effects.

12. Ecological information

General:	No environmental issues expected. Slightly water polluting substance. Avoid contaminating waterways.
Ecotoxicity Data:	None available.
Persistence & Degradability:	-
Mobility:	Soluble in water.

13. Disposal considerations

Disposal Methods & Containers:	Disposal to be in accordance with Local, State & Federal EPA waste regulations. Recover or recycle the product if possible. Remove water and then incinerate by an approved facility. Recycle containers wherever possible.
Special Precautions:	-

14. Transport information

ROAD & RAIL:	Not Dangerous Goods according to the ADG Code.
SEA:	Not Dangerous Goods according to the International Maritime Dangerous Goods Code (IMDG Code).
AIR:	Not Dangerous Goods according to the International Air Transport Association Dangerous Goods Regulations.

15. Regulatory information

Not a Hazardous Substance according to the Criteria of the Australian NOHSC.
Not a Hazardous Substance according to the Criteria of the Hazardous Substances and New Zealand Organisms Act and Regulations

Labelling: **Not Dangerous Goods, Workplace Hazardous Substance or Scheduled Poison.**
Packaging Must be in suitable packaging for handling, transport and storage that will withstand normal handling, under the expected weather conditions.

Australian Pesticides & Vet. Medicines Authority	- Ag & Vet Chemicals	Not applicable
Therapeutic Goods Administration	- Medicines	Not applicable
Food Standards Australia New Zealand	- Food	Not applicable
Chemicals Weapons Act	Not applicable	Ozone Depleting Substance Act
		Not applicable

16. Other information

Acronyms Used

ADG Code	Australian Dangerous Goods Code for the Transport of Dangerous Goods by Road and Rail
NOHSC	Australian National Occupational Health and Safety Commission
WHS	Workplace Hazardous Substance
CAS No.	Chemical Abstracts Service Registry Number
UN No.	United Nations Dangerous Goods Number

MSDS Code Used

This MSDS has been prepared according to the National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011(2003)]

Alignment to HSNO requirements

This MSDS summaries to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace.

Since Dryden Distribution Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact Dryden Distribution Ltd at the contact details on page 1.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties and does not create any legal contract.

End of Safety Data Sheet