

Material Safety Data Sheet

Beam Fabric Protector

Issue Date: Jan 2019

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1. Product and Company Identification

Company Name:	Beam Rust Proofing Perth 27 Hargreaves Street, Belmont Western Australia 6104 support@beamrustproofing.com.au	Ph (08) 9325 1399 Fx (08) 9325 2431
Emergency Contact:	Beam (08) 9325 1399	Poisons Information Centre 13 11 26

Product Name: Beam Fabric Protector
Product Code: BP102
Intended Use: hydrophobic and oleophobic protection
Chemical Nature: Mixture

2. Hazards Identification

2.1 GHS Hazard Classification

Physical: Non-hazardous
Health: Not applicable

2.2 GHS Label Elements

Symbol: Not applicable
Signal Word: Not applicable
Hazard Statement(s): Not applicable
Precautionary Statement(s)
Prevention: P264
Wash all contaminated skin thoroughly after handling.
Response: 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; Seek medical advice/attention.
Storage: Not applicable
Disposal: Not applicable

3. Composition / Information on Ingredients

Substance / Mixture: Mixture

Chemical Name	Cas Number	% In Product
1,2-Propanediol	57-55-6	2-5%

The remaining ingredients determined to be non-hazardous

4. First aid Measures

4.1 Description of Necessary First Aid Measures

Advice to First Aider: If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126)

Ingestion: Rinse mouth with water
If swallowed, do NOT induce vomiting
Give a glass of water to drink. Never give anything by the mouth to an unconscious person. If vomiting occurs, give further water.
Seek medical advice.

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Eye:	If in eyes wash out immediately with water. In all cases of eye contamination, it is a sensible precaution to seek medical advice.
Skin:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
Inhalation:	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
4.2 Medical Attention and Special Treatment	
First Aid Facilities:	Safety shower and eye wash station is advised
Comments:	Treat according to symptoms. Seek medical advice or treatment if required.
Advice to Doctor:	Advise of the chemical mixture. Give the First Aid information given above. Relate exactly how the accident happened and what has been done since then.

5. Fire Fighting Measures

5.1 Suitable Extinguishing Media:	If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, dry agent (carbon dioxide, dry chemical powder)
5.2 Hazards from Combustion Products:	Not applicable
5.3 Special Protective Precautions and Equipment for Fire Fighters:	Not combustible, however following evaporation of aqueous component, residual material can burn if ignited.
5.4 Hazchem Code:	Not applicable

6. Accidental Release Measures

6.1 Emergency Procedures:	Small Spills: Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal. Large Spills: Clean area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Work up wind or increase ventilation. If contamination of crops, sewers or waterways has occurred advise local emergency services.
6.2 Methods and Materials for Containment and Clean Up:	Keep spilled material contained and away from drains and waterways. Mop up with absorbent material such as rags, sand or vermiculite. Best pumped into separate containers. Keep the public away from spills. Will be slippery underfoot. Use polyethylene containers or lined steel Drums. Dispose in according to Commonwealth and State regulations.

7. Handling and Storage

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7.1 Precautions for safe handling: Wash hands after handling. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.

7.2 Conditions for safe storage: Keep out of reach of children. Keep container tightly closed. Store in a cool, dry, well ventilated area, removed from heat and foodstuffs. Ensure containers are adequately labeled, and sealed when not in use.

8. Exposure Controls and Personal Protection

8.1 National Exposure Standards:

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
Propane-1,2-diol total: (vapour & particulates)	150	474	-	-	-
Propane-1,2-diol: particulates only	-	10	-	-	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

8.2 Biological Limit Values:

None known

8.3 Engineering Controls:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator.

8.4 Personal Protective Equipment:

SAFETY SHOES, OVERALLS, GLOVES, CHEMICAL GOGGLES, RESPIRATOR.

Wear safety shoes, overalls, gloves, chemical goggles and respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from butyl rubber and nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

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9. Physical and Chemical Properties

9.1 Physical Description/Properties

Appearance:	Off White creamy liquid.
Odour:	Characteristic
pH:	3.0 – 5.0
Vapour Pressure (20°C):	N Av
Relative Vapour Density (air=1):	N Av
Boiling Point/Range (°C):	N Av
Freezing/Melting Point (°C):	N Av
Solubility:	Soluble in Water
Specific Gravity (@20°C):	1.02 - 1.05 g/cm3

9.2 Information for Flammable Materials

Flash Point (°C):	> 96°
Lower Explosive Limit (%):	N Av
Upper Explosive Limit (%):	N Av
Autoignition Temperature (°C):	N Av

9.3 Additional Information

Specific Heat Value:	N Av
Particle Size:	N Av
Volatile Organic Compounds Content:	0%
Evaporation Rate:	Not determined
Viscosity:	5 – 20 cPs
Octanol/Water Partition Coefficient:	Not determined
Saturated Vapour Concentration:	Not determined
Shock sensitivity:	None known
Corrosiveness:	Low with most metals (similar to water)
Oxidizing properties:	None known
Reactivity with Common Substances:	Oxidizing agents
Solubility in Organic Solvents:	Miscible with alcohols to a limited extent.

9.4 Additional Characteristics Not Noted Above

Flame Propagation/Burning Rate:	Not flammable
Properties that may Initiate or Uniquely Contribute to the Intensity of a Fire:	Not flammable
Potential for Dust Explosion:	None
Reactions that Release Flammable Gases or Vapours:	Not flammable
Fast or Intensely Burning Characteristics:	Not flammable
Non-flammables that could Contribute Unusual Hazards to a Fire:	None known
Release of Invisible Flammable Vapours and Gases:	Not flammable

Decomposition Temperature:	Not determined
	(Typical values only - consult specification sheet) N Av = Not available, N App = Not applicable

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10. Stability and Reactivity

- 10.1 Chemical Stability:** This material is thermally stable when stored and used as directed.
- 10.2 Conditions to Avoid:** Elevated temperatures and sources of ignition
- 10.3 Incompatible Materials:** Oxidizing agents
- 10.4 Hazardous Decomposition Products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.
- 10.5 Hazardous Reactions:** No known hazardous reactions.

11. Toxicological Information

- 11.1 Likely Route of Exposure:** ☐ Ingestion ☐ Skin contact ☐ Inhalation
☒ Eye
- 11.2 Health Effects from Likely Route of Exposure**
- Acute toxicity:** Not known to be hazardous
- Skin corrosion/irritation:** Not known to be hazardous
- Serious eye damage/irritation:** May cause irritation
- Respiratory or skin sensitization:** Not known to be hazardous
- Germ cell mutagenicity:** Not known to be hazardous
- Carcinogenicity:** Not known to be hazardous
- Reproductive toxicity:** Not known to be hazardous
- Single Target Organ Toxicity (single exposure):** Not known to be hazardous
- Single Target Organ Toxicity (repeated exposure):** Not known to be hazardous
- Aspiration Hazard:** Not known to be hazardous

12. Ecological Information

- 12.1 Ecotoxicity:** No information available
- Aquatic toxicity:** No information available
- Behaviour in sewage processing plants:** No information available
- 12.2 Persistence and Degradability:** No information available
- 12.3 Mobility:** No information available
- 12.4 Environmental Fate:** No information available
- 12.5 Bioaccumulative Potential:** No information available

13 Disposal Considerations

- 13.1 Disposal methods:** The product should not be allowed to enter drains, water courses or the soil. When possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- 13.2 Disposal Considerations:** Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

UN Number: This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

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15. Regulatory Information

15.1 Poisons Schedule: Not applicable

15.2 Classifications: Not applicable

15.3 Hazard Codes: Not applicable

15.4 Risk Phrases: Not applicable

15.5 Safety Phrases: Not applicable

15.6 Additional Information:

This material is not subject to the following international agreements:

Montreal Protocol, The Stockholm Convention, The Rotterdam Convention, Basel Convention, International Convention for the Prevention of Pollution from Ships

16. Other Information

This MSDS contains only safety related information. For other information see product literature.

Dated: 15 January 2019.

Version: 1

Every endeavor has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Beam Rust Proofing Perth accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Federal, State and Local Government regulations.