

Safety Data Sheet

e2S Treated e-joist (Bifenthrin/Permethrin Glueline)

Date of Issue: October 2018

1. Identification of the Material and Supplier

1.1 Product identifier

Product name	e-joist
Synonym(s)	Wesbeam e-joist

1.2 Uses and uses advised against

Use(s)	Building Material • Construction • Timber
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1.3 Details of the supplier of the product

Supplier name	Wesbeam Pty Ltd
Address	190 Pederick Rd, Neerabup, WA, 6031, AUSTRALIA
Telephone	(08) 9306 0400
Fax	(08) 9306 0444
Email	safety@wesbeam.com
Website	www.wesbeam.com

1.4 Emergency telephone number(s)

Emergency	P: 08 9306 0430 M: 0439 919 461
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2. Hazards Identification

2.1 Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS

2.2 Label elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

2.3 Other hazards

No information provided.

3. Composition/ Information on Ingredients

3.1 Substances / Mixtures

Ingredient	CAS Number	EC Number	Content
Wood	-	-	>85%
Polymethyl Polyphenyl Isocyanate	9016-87-9	-	<4%
Phenol Resorcinol Formaldehyde Resin	-	-	<0.5%
Permethrin	52645-53-1	258-067-9	<0.2%
Additive(s)	-	-	<0.1%
Ethylene Glycol	107-21-1	203-473-3	<0.1%
Isopropyl Alcohol	67-63-0	200-661-7	<0.1%
Paraformaldehyde	30525-89-4	608-494-5	<0.1%
Organic Compounds	-	-	<0.03%
Bifenthrin	82657-04-3	617-373-6	<0.014%
Pigment(s)	-	-	<0.01%
Phenol, Polymer with Formaldehyde, Sodium Salt	40798-65-0	-	<7%
Inert Ingredient(s)	-	-	<2%
Slack Wax (Petroleum) (Refined)	64742-61-6	265-165-5	<0.8%

4. First Aid Measures

4.1 Description of first aid measures

Eye	Exposure is considered unlikely unless dust is generated. Hold eyelids apart and flush the eye continuously with running water for at least 15 minutes.
Inhalation	If inhaled (dust during machining), remove from contaminated area. Apply artificial respiration if restricted breathing.
Skin	Dust exposure. Gently flush affected areas with water. Seek medical attention if irritation develops.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (immediately). Due to product form and application, ingestion is considered unlikely.
First aid facilities	None allocated.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire Fighting Measures

5.1 Extinguishing media

Water spray or fog, for large quantities. Prevent contamination of drains and waterways.

5.2 Special hazards arising from the substance or mixture

Combustible. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Finely divided dust may form explosive mixtures with air.

5.3 Advice for firefighters

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code

None allocated.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions

Prevent product from entering drains and waterways.

6.3 Methods of cleaning up

If spilt, collect and reuse where possible.

6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

7. Handling and Storage

7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, well-ventilated area.

7.3 Specific end use(s)

No information provided.


8. Exposure Controls / Personal Protection

8.1 Control parameters

Exposure standards	Ingredient	Reference	TWA		STEL	
			ppm	mg/m ³	ppm	mg/m ³
	Ethylene glycol (particulate)	SWA (AUS)	--	10	--	--
	Ethylene glycol (vapour)	SWA (AUS)	20	52	40	104
	Formaldehyde	SWA (AUS)	1	1.2	2	2.5
	Isocyanates, all (as-NCO)	SWA (AUS)	--	0.02	--	0.07
	Isopropyl alcohol	SWA (AUS)	400	983	500	1230
	Paraffin wax (fume)	SWA (AUS)	--	2	--	--
	Wood dust (certain hardwoods such as beech & oak)	SWA (AUS)	--	1	--	--
	Wood dust (soft wood)	SWA (AUS)	--	5	--	10

Biological limits	Ingredient	Determinant	Sampling Time	BEI
	ISOPROPYL ALCOHOL	Acetone in urine	End of shift at end of workweek	40 mg/L
Reference: ACGIH Biological Exposure Indices				

8.2 Exposure controls

Engineering controls	Avoid inhalation. Use in well ventilated areas. If sanding, drilling or cutting, use appropriate local extraction ventilation. Maintain dust / fume levels below the recommended exposure standard.			
PPE 	Eye / Face	Wear dust-proof goggles.		
	Hands	Wear leather or cotton gloves.		
	Body	Not required under normal conditions of use.		
	Respiratory	If cutting or sanding with potential for dust generation, wear a Class P1 (Particulate) respirator.		

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Solid Timber
Odour	Odourless
Flammability	Combustible
Flash point	Not Available
Boiling point	Not Available
Melting point	Not Available
Evaporation rate	Not Available
pH	Not Available
Vapour density	Not Available
Specific gravity	Not Available
Solubility (water)	Insoluble
Vapour pressure	Not Available
Upper explosion limit	Not Available
Lower explosion limit	Not Available
Partition coefficient	Not Available
Autoignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity	Not Available
Explosive properties	Not Available
Oxidising properties	Not Available
Odour threshold	Not Available

10. Stability and Reactivity

10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

10.2 Chemical stability

Stable under recommended storage.

10.3 Possibility of hazardous reactions

Polymerization will not occur.

10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials

Compatible with most commonly used materials.

10.6 Hazardous decomposition products

May evolve carbon oxides and hydrocarbons when heated to decomposition.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity	Information available for the product: This product is expected to be of low toxicity. Based on available data, the classification criteria are not met. Information available for the ingredient(s):		
Ingredient	Oral Toxicity (LD50)	Dermal Toxicity (LD50)	Inhalation Toxicity (LC50)
Polymethyl Polyphenyl Isocyanate	> 2000 mg/kg (rat)	> 9400 mg/kg (rabbit)	0.49 mg/L/4 hours (rat)
Permethrin	383 mg/kg (rat)	1750 mg/kg (rat)	485 mg/m ³ (rat)
Ethylene Glycol	1670 mg/kg (cat); >	9530 mg/kg (rabbit)	10876 mg/kg (rat)
Isopropyl Alcohol	3600 mg/kg (mouse)	12,800 mg/kg (rabbit)	16000 ppm/8 hours
Paraformaldehyde	800 mg/kg (rat)	--	> 170 mg/m ³ /1 hour (rat)
Bifenthrin	54.5 mg/kg (rat)	2 g/kg (rabbit)	4.9 mg/l/4 hours (rat)
Phenol, Polymer with Formaldehyde, Sodium Salt	42 mg/kg-rat	669 mg/kg - rat	74 mg/m ³
Skin	Not classified as a skin irritant. Prolonged or repeated exposure to dust may result in mechanical irritation and dermatitis.		
Eye	Not classified as an eye irritant. Product may only present a hazard if wood is cut or sanded with dust generation, which may result in lacrimation and irritation.		
Sensitisation	Not classified as causing skin or respiratory sensitisation.		
Mutagenicity	Not classified as a mutagen.		
Carcinogenicity	Not classified as a carcinogen. However, repeated exposure to wood dust may result in nasal and paranasal sinus cancers (IARC Group 1). Adverse health effects are usually associated with long-term exposure to high dust levels.		
Reproductive	Not classified as a reproductive toxin.		
STOT – single exposure	Not classified as causing organ damage from single exposure.		
STOT – repeated exposure	Not classified as causing organ damage from repeated exposure.		
Aspiration	Not classified as causing aspiration.		

12. Ecological Information

12.1 Toxicity

No information provided.

12.2 Persistence and degradability

No information provided.

12.3 Bioaccumulative potential

No information provided.

12.4 Mobility in soil

No information provided.

12.5 Other adverse effects

No information provided.

13. Disposal Considerations

13.1 Waste treatment methods

Waste disposal	Dispose to an approved landfill or waste processing site. Contact the manufacturer/supplier for additional information (if required).
Legislation	Dispose in accordance with relevant local legislation.

14. Transport Information

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
14.1 UN Number	None Allocated	None Allocated	None Allocated
14.2 Proper Shipping Name	None Allocated	None Allocated	None Allocated
14.3 Transport hazard class	None Allocated	None Allocated	None Allocated
14.4 Packing Group	None Allocated	None Allocated	None Allocated

14.5 Environmental hazards

No information provided

14.6 Special precautions for user

Hazchem code None Allocated

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classifications	Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].
Hazard codes	None allocated.
Risk phrases	None allocated.
Safety phrases	None allocated.
Inventory listing(s)	AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt.

16. Other Information

Additional information	<p>Personal Protective Equipment Guidelines: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.</p> <p>Health Effects from Exposure: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.</p>
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Abbreviations	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number – used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No.	EC No – European Community Number
	EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
	GHS	Globally Harmonized System
	GTEPG	Group Text Emergency Procedure Guide
	IARC	International Agency for Research on Cancer
	LC50	Lethal Concentration, 50% / Median Lethal Concentration
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m³	Milligrams per Cubic Metre
	OEL	Occupational Exposure Limit
	pH	Relates to hydrogen ion concentration using a scale of 0 (highly acidic) to 14 (highly alkaline).
	PPE	Personal Protective Equipment
	ppm	Parts Per Million
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific Target Organ Toxicity (repeated exposure)
	STOT-SE	Specific Target Organ Toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
TLV	Threshold Limit Value	
TWA	Time Weighted Average	

Report status	<p>This document has been compiled by RMT on behalf of Wesbeam Pty Ltd the manufacturer of the product and serves as their Safety Data Sheet ('SDS').</p> <p>It is based on information concerning the product which has been provided to RMT by the manufacturer, Wesbeam Pty 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, importer or supplier.</p> <p>While RMT has 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, RMT accepts 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.</p>
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