Carter Holt Harvey LVL Ltd (Trading as Futurebuild LVL)

Chemwatch: 46-7860

Version No: 9.1.1.1 Safety Data Sheet according to WHS and ADG requirements

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

buildings, construction cladding, roofing, flooring, bracing and packaging.

Product Identifier

Product name	Futurebuild H1.2 Treated LVL and hyJOIST
Synonyms	Not Available
Other means of identification	Not Available
Relevant identified uses of th	e substance or mixture and uses advised against
Polovant identified uses	Used for common structural applications, such as beams, rafters, joist, lintel bearers, in residential timber frames construction and similar timber framed

Relevant identified uses

Details of the supplier of the safety data sheet

Registered company name	Carter Holt Harvey LVL Ltd (Trading as Futurebuild LVL)
Address	Private Bag 92108, Victoria Street West Auckland 1142 New Zealand
Telephone	0800 808 131
Fax	Not Available
Website	www.futurebuild.co.nz
Email	info@futurebuild.co.nz

Emergency telephone number

Association / Organisation	Not Available
Emergency telephone numbers	Not Available
Other emergency telephone numbers	Not Available

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture Poisons Schedule Not Applicable Classification Not Applicable Label elements Hazard pictogram(s) Not Applicable SIGNAL WORD NOT APPLICABLE Not Applicable

Hazard statement(s)

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
Not Available	>95	natural soft woods

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Not Available	<5	impregnation residuals, as
9003-35-4	٨	phenol/ formaldehyde resin
82657-04-3	٨	bifenthrin
43121-43-3	٨	triadimefon
113096-99-4	٨	cyproconazole
Not Available		In use, may generate wood dust softwood
Not Available		THIS REPORT IS FOR TREATED PRODUCT ONLY

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact	 Hazard relates to dust released by sawing, cutting, sanding, trimming or other finishing operations. If this product comes in contact with eyes: Wash out immediately with water. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	Brush off dust. In the event of abrasion or irritation of the skin seek medical attention.
Inhalation	 If dust is inhaled, remove from contaminated area. Encourage patient to blow nose to ensure clear passage of breathing. If irritation or discomfort persists seek medical attention.
Ingestion	 Hazard relates to dust released by sawing, cutting, sanding, trimming or other finishing operations. Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

- Water spray or fog.
- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

Special hazards arising from the substrate or mixture

Fire Incompatibility	Avoid exposure to excessive heat and fire.
Advice for firefighters	
Fire Fighting	Alert Fire Brigade and tell them location and nature of hazard. Use water delivered as a fine spray to control the fire and cool adjacent area.
Fire/Explosion Hazard	Combustible. Will burn if ignited. - Wood products do not normally constitute an explosion hazard. - Mechanical or abrasive activities which produce wood dust, as a by-product, may present a severe explosion hazard if a dust cloud contacts an ignition source. - Hot humid conditions may result in spontaneous combustion of accumulated wood dust. - Partially burned or scorched wood dust can explode if dispersed in air. Product may ignite at temperatures of over 185 deg C.
HAZCHEM	Not Applicable

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	Pick up. Refer to major spills.
Major Spills	Pick up. Secure load if safe to do so. Bundle/collect recoverable product.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling	9
Safe handling	Use gloves when handling product to avoid splinters.
Other information	▶ Keep dry

Conditions for safe storage, including any incompatibilities

Suitable container Storage incompatibility Generally not applicable.Keep dry

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Not Available

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
Futurebuild H1.2 Treated LVL and hyJOIST	Not Available	Not Available	Not Available	Not Available
Ingredient	Original IDLH		Revised IDLH	
phenol/ formaldehyde resin	Not Available		Not Available	
bifenthrin	Not Available		Not Available	
triadimefon	Not Available		Not Available	
cyproconazole	Not Available		Not Available	

MATERIAL DATA

for wood dust softwood: Australia Exposure Standards: ES TWA: 5 mg/m3; STEL: 10 mg/m3; Sensitiser

Exposure controls

	 Hazard relates to dust released by sawing, cutting, sanding, trimming or other finishing ope Engineering controls are used to remove a hazard or place a barrier between the worker and the highly effective in protecting workers and will typically be independent of worker interactions to pro The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the rife Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away fr "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if design match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. General exhaust is adequate under normal operating conditions. If risk of overexposure exists, w obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. <i>J</i> varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating a Type of Contaminant: 	erations. a hazard. Well-designed engineerin ovide this high level of protection. isk. orm the worker and ventilation that gned properly. The design of a vent rear SAA approved respirator. Corr Air contaminants generated in the v ir required to effectively remove the	g controls can be strategically "adds" and lation system must ect fit is essential to vorkplace possess e contaminant. Air Speed: 0.25-0.5 m/s (50-100
	aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer tran	sfers, welding, spray drift, plating	f/min) 0.5-1 m/s (100-200
	acid fumes, pickling (released at low velocity into zone of active generation)		f/min.)
Appropriate engineering controls	direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, ga into zone of rapid air motion)	s discharge (active generation	1-2.5 m/s (200-500 f/min)
	grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initia rapid air motion).	al velocity into zone of very high	2.5-10 m/s (500-2000 f/min.)
	Within each range the appropriate value depends on: Lower end of the range	Upper end of the range	
	1: Room air currents minimal or favourable to capture	1: Disturbing room air currents	
	2: Contaminants of low toxicity or of nuisance value only	2: Contaminants of high toxicity	
	3: Intermittent, low production.	3: High production, heavy use	
	4: Large hood or large air mass in motion	4: Small hood - local control only	
	Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple square of distance from the extraction point (in simple cases). Therefore the air speed at the ext reference to distance from the contaminating source. The air velocity at the extraction fan, for exa extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mecha within the extraction apparatus, make it essential that theoretical air velocities are multiplied by fac or used.	extraction pipe. Velocity generally raction point should be adjusted, ar ample, should be a minimum of 1-2 anical considerations, producing pe ctors of 10 or more when extraction	decreases with the ccordingly, after m/s (200-400 f/min.) for vformance deficits systems are installed
Personal protection			
Eye and face protection	When sawing, machining or sanding use: Safety glasses with side shields.		
Skin protection	See Hand protection below		
Hands/feet protection	 Protective gloves eg. Leather gloves or gloves with Leather facing Safety footwear 		

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Body protection	See Other protection below
Other protection	No special equipment needed when handling small quantities. OTHERWISE: • Overalls. • Barrier cream. • Eyewash unit.

Respiratory protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant. Protection Factors (defined as the ratio of contaminant outside and inside the mask) may also be important.

Required minimum protection factor	Maximum gas/vapour concentration present in air p.p.m. (by volume)	Half-face Respirator	Full-Face Respirator
up to 10	1000	A-AUS / Class1 P2	-
up to 50	1000	-	A-AUS / Class 1 P2
up to 50	5000	Airline *	-
up to 100	5000	-	A-2 P2
up to 100	10000	-	A-3 P2
100+			Airline**

 * - Continuous Flow ** - Continuous-flow or positive pressure demand

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

Avoid generating and breathing dust.

+ Effective dust extraction and good ventilation is required when using cutting, shaping or sanding tools. Wear a disposable dust mask AS/NZS 1715:2009 class P1 or P2 when machining.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Opaque white pressed panels ranging in thickness from 12 mm to 120 mm. May have residual formaldehyde odour from the glue used to bond the panel. THIS CHEMWATCH REPORT IS FOR TREATED PRODUCT ONLY.		
Physical state	Manufactured	Relative density (Water = 1)	0.4-0.6
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	Not Applicable	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Applicable	Viscosity (cSt)	Not Applicable
Initial boiling point and boiling range (°C)	Not Applicable	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Applicable	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Applicable
Vapour pressure (kPa)	Not Applicable	Gas group	Not Available
Solubility in water	Immiscible	pH as a solution (1%)	Not Applicable
Vapour density (Air = 1)	Not Applicable	VOC g/L	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhaled

Not normally a hazard due to physical form of product. Generated dust may be discomforting

Ingestion	Not normally a hazard due to physical form of product. Considered an unlikely route of entry in commercial/industrial environments Ingestion of sawdust may cause nausea, abdominal pain, vomiting or diarrhoea.		
Skin Contact	The dust is discomforting and mildly abrasive to the skin and may cause drying of the skin, which may lead to contact dermatitis.		
Eye	The dust may produce eye discomfort causing transient smarting, blinking		
Chronic	 Hazard relates to dust released by sawing, cutting, sanding, trimming or other finishing operations. Common chronic responses to wood dust exposures are dematitits, simple bronchitis and non asthmatic chronic airflow obstruction. Wood is an organic substrate for growth of micro-organisms and fungal spores, these readily become airbome with wood dust and have caused a variety of respiratory infections Various woods, mainly tropical varieties, are able to induce allergies in joiners, carpenters, cabinet makers and model-makers. Allergies of the immediate type (rhino conjunctivitis, bronchial asthma, urticaria), caused by contact with dusts produced during wood-working and those of a delayed type (contact ecram) caused by both the dust and by direct contact with the solid wood, are seen in an occupational setting. Because of the large number of substances found in wood, only a few low molecular weight allergens have been isolated and identified; these are mostly quinone or flavone derivatives. Many of the constituents of wood may also cause primary irritation. Irritation of the skin, eyes and respiratory passages are often distinguished from allergic responses with difficulty. The use of skin tests with wood dusts to confirm suspected allergy must be viewed as suspect because the high concentration of wood components which are sometimes applied, can actually produce new sensitisation in test subjects. It should also be noted that cross-reactions to groups of similar substances, in other woods and also in other herbaceous plants can also occur. The substances in wood responsible for respiratory allergies are probably mostly high molecular weight substances. Wood dusts may induce asthmatic reactions of both the immediate and delayed types, and occasionally, both. Positive results in bronchial provocation tests, are often, but not always, associated with positive results in skin tests and JgE induction. Bronchial provocation tests may produce flaten negatives and very fine dust		
	Wood dust may cause skin and respiratory sensitisation.		
Futurebuild H1.2 Treated LVL	ΤΟΧΙΟΙΤΥ	IRRITATION	
and hyJOIST	Not Available	Not Available	
	ΤΟΧΙΟΙΤΥ	IRRITATION	
	dermal (rat) LD50: >2000 mg/kg ^[2]	Eve(rabbit):40/110 mod - Draize	
phenol/ formaldehvde resin	Oral (rat) LD50: >2500 mg/kg ^[2]	Eve: adverse effect observed (irritating) ^[1]	
	Skin (rabbit): 3/8 - mod - Draize		
		Skin: no adverse effect observed (not irritating) ^[1]	
bifenthrin	Dermal (rabbit) LD50: >2000 mg/kg ¹²	Eye (rabbit): non-irritant *	
	Oral (rat) LD50: 54.5 mg/kg ^{r-1}	skin (raddit): non-irritant "	
	ΤΟΧΙΟΙΤΥ	IRRITATION	
	dermal (rat) LD50: >2000 mg/kg ^[2]	Eye (rabbit): mild *	
triadimeton	Inhalation (rat) LC50: 0.48 mg/l/4H ^[2]	Skin (rabbit): mild *	
	Oral (rat) LD50: 363 mg/kg ^[2]	1	
	ΤΟΧΙΟΙΤΥ	IRRITATION	
	dermal (rat) LD50: >2000 mg/kg ^[2]	Eye (rabbit): non-irritating *	
cyproconazole	Inhalation (rat) LC50: >5.65 mg//4h ^[2]	Skin (rabbit): non-irritating *	
	Oral (rat) LD50: 1020 mg/kg ^[2]	I	
Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity data extracted from RTECS - Register of Toxic Effect of chemical Substances	2.* Value obtained from manufacturer's SDS. Unless otherwise specified	
	The material may produce moderate any irritation loading to information. De	nastad or prolonged apposition to irritante may produce conjugativitia	
PHENOL/ FORMALDEHYDE RESIN	The material may produce moderate eye initiation reading to initiatrination. Re The material may cause skin irritation after prolonged or repeated exposure a often characterised by skin redness (erythema) and swelling the epidermis. H (spongiosis) and intracellular oedema of the epidermis.	provided on protonged exposure to inflants may produce conjunctivitis. Ind may produce a contact dermatitis (nonallergic). This form of dermatitis is istologically there may be intercellular oedema of the spongy layer	

BIFENTHRIN	For bifenthrin: Acute Toxicity: Bifenthrin is moderately toxic to mammals when ingested. Large doses may cause incoordination, tremor, salivation, vomiting, diarrhea, and irritability to sound and touch. The dose at which half of the test animal die, the LDSO, for bifenthrin is about 54 mg/kg in female rats and 70 mg/kg in male rats. The LDSO for rabbits whose skin is exposed to bifenthrin is greater than 2,000 mg/kg. Bifenthrin does not sensitize the skin of guinea pigs. Although it does not cause inflammation or irritation on human skin, it can cause a tingling sensation which lasts about 12 hours. It is virtually non-irritating to rabbit eyes. Chronic Toxicity: No information Available. Reproductive Effects: The dose at which no toxic effect of bifenthrin is observed on the mother (maternal toxicity NOEL) is 1 mg/kg/day for rats and 2.67 mg/kg/day for rabbits. At higher doses, test animals had tremors. The dose at which no toxic effect is observed on development (developmental toxicity NOEL) is 1 mg/kg/day for rabbits. At higher doses, test animals had tremors. The dose at which no toxic effect is observed on development (developmental toxicity NOEL) is 1 mg/kg/day for rabbits does not demonstrate any teratogenic effects at the highest levels tested (100 ppm, approximately 5.5 mg/kg/day) in a two-generational study in rats. Mutagenic Effects: Evidence of mutagenic effects from exposure to bifenthrin are inconclusive. Studies of mouse white blood cells were positive for gene mutation. However, other tests of bifenthrin's mutagenic effects, including the Ames test and studies in live rat bone marrow cells, were negative . Carcinogenic Effects: There was no evidence of cancer in a 2-year study of rats who ate as much as 10 mg/kg/day of bifenthrin. However, an 87 week feeding study of mice with doses of 7, 29, 71, and 86 mg/kg/day. Also, females had higher incidences of lung cancer than the controls at doses of 7 mg/kg and higher. The incidence was significantly increased at 86 mg/kg/day. Also, females had
TRIADIMEFON	 The code (b) and (b) the code (b) and (b)
	 developmental status of the organism at the time of the exposure as on the level of exposure over a lifetime. NOTE: Some jurisdictions require that health surveillance be conducted on workers occupationally exposed to polycyclic aromatic hydrocarbons. Such surveillance should emphasise demography, occupational and medical history health advice, including recognition of photosensitivity and skin changes physical examination if indicated records of personal exposure including photosensitivity NOEL (2y) for rats 300 mg/kg, mice 50 mg/kg, dogs 330 mg/kg * ADI: 0.03 mg/kg Toxicity class WHO III, EPA III * for chlorophenoxy herbicides:

CYPROCONAZOLE	[* The Pesticides Manual, Incorporating The Agroch Council] Non-sensitising to skin (guinea pig) * NOEL (1 y) for dog	hemicals Handbook, 10th Edition, Ed gs 1 mg/kg daily * Toxicity Class WHO I	litor Clive Tomlin, 1994, British Crop Protection II * Non-mutagenic in Ames test * ADI: 0.01 mg/kg/day
PHENOL/ FORMALDEHYDE RESIN & TRIADIMEFON	The following information refers to contact allergens as a group and may not be specific to this product. Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, involve antibody-mediated immune reactions. The significance of the contact allergen is not simply determined by its sensitisation potential: the distribution of the substance and the opportunities for contact with it are equally important. A weakly sensitising substance which is widely distributed can be a more important allergen than one with stronger sensitising potential with which few individuals come into contact. From a clinical point of view, substances are noteworthy if they produce an allergic test reaction in more than 1% of the persons tested.		
Acute Toxicity	×	Carcinogenicity	×
Skin Irritation/Corrosion	×	Reproductivity	×
Serious Eye Damage/Irritation	×	STOT - Single Exposure	×
Respiratory or Skin sensitisation	×	STOT - Repeated Exposure	×
Mutagenicity	×	Aspiration Hazard	×
		Legend: 🗙 – Data eithe	er not available or does not fill the criteria for classification

gena: 🔰 🎽

Data either not available or does not fill the criteria for classification
 Data available to make classification

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Futurebuild H1.2 Treated LVL and hyJOIST	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
	Not Available	Not Available	Not Available	Not Available	Not Available
a han a life an a labelada a a sia	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
pnenoi/ formaidenyde resin	EC50	48	Crustacea	172mg/L	2
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
	LC50	96	Fish	0.00015mg/L	4
bifenthrin	EC50	48	Crustacea	0.0016mg/L	4
	EC50	96	Algae or other aquatic plants	0.00145mg/L	3
	NOEC	504	Crustacea	0.000004mg/L	4
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
	LC50	96	Fish	4.1mg/L	4
triadimefon	EC50	48	Crustacea 1.6mg/L		4
	EC50	96	Algae or other aquatic plants	Algae or other aquatic plants 0.91mg/L	
	NOEC	504	Crustacea	Crustacea 0.1mg/L	
	ENDPOINT	TEST DURATION (HR)	SPECIES	SPECIES VALUE	
	LC50	96	Fish	Fish 19mg/L	
cyproconazole	EC50	48	Crustacea	Crustacea 26mg/L	
	NOEC	120	Fish	4.377mg/L	4

(QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

Although treated, the solid wood will decay on ground contact.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
bifenthrin	HIGH	HIGH
triadimefon	HIGH	HIGH

Bioaccumulative potential

Ingredient	Bioaccumulation
bifenthrin	LOW (LogKOW = 8.1524)
triadimefon	LOW (LogKOW = 2.77)

Mobility in soil

Ingredient	Mobility
bifenthrin	LOW (KOC = 3228000)
triadimefon	LOW (KOC = 5224)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods	
Product / Packaging disposal	 Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill.

- Appendix

SECTION 14 TRANSPORT INFORMATION

Labels Required

Marine Pollutant	NO
HAZCHEM	Not Applicable

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

SECTION 15 REGULATORY INFORMATION

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

PHENOL/ FORMALDEHYDE RESIN(9003-35-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
E (Part 2)

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Appendix F (Part 3)

BIFENTHRIN(82657-04-3) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Dangerous Goods Code (ADG Code) - Dangerous Goods List Australia Dangerous Goods Code (ADG Code) - List of Emergency Action Codes Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Index Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 2

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5

TRIADIMEFON(43121-43-3) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Dangerous Goods Code (ADG Code) - Dangerous Goods List

Australia Dangerous Goods Code (ADG Code) - List of Emergency Action Codes

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Inventory of Chemical Substances (AICS)

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Index

CYPROCONAZOLE(113096-99-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Dangerous Goods Code (ADG Code) - Dangerous Goods List Australia Dangerous Goods Code (ADG Code) - List of Emergency Action Codes Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

Australia Inventory of Chemical Substances (AICS)

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Index

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Index Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 2

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 6

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 7

International Air Transport Association (IATA) Dangerous Goods Regulations

International Maritime Dangerous Goods Requirements (IMDG Code)

United Nations Recommendations on the Transport of Dangerous Goods Model Regulations

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule $\ensuremath{\mathsf{5}}$

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 6

International Air Transport Association (IATA) Dangerous Goods Regulations

International Maritime Dangerous Goods Requirements (IMDG Code)

United Nations Recommendations on the Transport of Dangerous Goods Model Regulations

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5

International Air Transport Association (IATA) Dangerous Goods Regulations International Maritime Dangerous Goods Requirements (IMDG Code)

United Nations Recommendations on the Transport of Dangerous Goods Model Regulations

National Inventory Status

National Inventory	Status			
Australia - AICS	No (bifenthrin)			
Canada - DSL	No (triadimefon; bifenthrin; cyproconazole)			
Canada - NDSL	No (triadimefon; phenol/ formaldehyde resin; bifenthrin; cyproconazole)			
China - IECSC	No (cyproconazole)			
Europe - EINEC / ELINCS / NLP	No (bifenthrin; cyproconazole)			
Japan - ENCS	No (triadimefon; bifenthrin; cyproconazole)			
Korea - KECI	Yes			
New Zealand - NZIoC	Yes			
Philippines - PICCS	No (triadimefon; bifenthrin)			
USA - TSCA	No (triadimefon; bifenthrin; cyproconazole)			

Taiwan - TCSI	Yes			
Mexico - INSQ	res			
Vietnam - NCI	Yes			
Russia - ARIPS	No (triadimefon; bifenthrin; cyproconazole)			
Thailand - TECI	No (triadimefon; phenol/ formaldehyde resin; cyproconazole)			
Legend:	Yes = All CAS declared ingredients are on the inventory No = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)			

SECTION 16 OTHER INFORMATION

Revision Date	25/01/2019
Initial Date	13/01/2015

SDS Version Summary

Version	Issue Date	Sections Updated
8.1.1.1	15/08/2018	Name
9.1.1.1	25/01/2019	One-off system update. NOTE: This may or may not change the GHS classification, Supplier Information

Other information

Ingredients with multiple cas numbers

Name	CAS No
bifenthrin	82657-04-3, 92880-79-0
cyproconazole	113096-99-4, 94361-06-5, 94361-07-6

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chernwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC-TWA: Permissible Concentration-Time Weighted Average PC-STEL: Permissible Concentration-Short Term Exposure Limit IARC: International Agency for Research on Cancer ACGIH: American Conference of Governmental Industrial Hygienists STEL: Short Term Exposure Limit TEEL: Temporary Emergency Exposure Limit。 IDLH: Immediately Dangerous to Life or Health Concentrations OSF: Odour Safety Factor NOAEL :No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level TLV: Threshold Limit Value LOD: Limit Of Detection OTV: Odour Threshold Value **BCF: BioConcentration Factors** BEI: Biological Exposure Index This document is copyright.

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