Carter Holt Harvey LVL Ltd (Trading as Futurebuild LVL)

Chemwatch: 4729-83

Version No: 15.1.1.1 Safety Data Sheet according to WHS and ADG requirements

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

Product Identifier

Product name	Futurebuild LOSP Treated LVL and hyJOIST	
Synonyms	Not Available	
Other means of identification	Not Available	
Relevant identified uses of the substance or mixture and uses advised against		

Used in residential, commercial and industrial construction, and fitments and/or general purpose building.

Details of the supplier of the safety data sheet

Relevant identified uses

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

Hazard statement(s)

Not Applicable

Precautionary statement(s) Prevention
Not Applicable

Precautionary statement(s) Response Not Applicable

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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	>98	wood veneer

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Not Available	<2	impregnation residuals, as
40798-65-0	٨	phenol/ formaldehyde polymer sodium salt
107534-96-3	٨	tebuconazole
60207-90-1	٨	propiconazole
52645-53-1	٨	permethrin
55406-53-6	٨	3-iodo-2-propynyl butyl carbamate
136-53-8	٨	2-ethylhexanoic acid, zinc salt
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.		
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

Safe handling

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Futurebuild LOSP Treated LVL and hyJOIST

 Other information

 Keep dry

 Conditions for safe storage, including any incompatibilities
 Suitable container
 Generally not applicable.
 Storage incompatibility
 Keep dry
 SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION
 Section 2 (Storage incompatibility)
 Content of the section of the sectio

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Not Available

EMERGENCY LIMITS

Ingredient	Material name	TEE	EL-1	TEEL-2	TEEL-3
3-iodo-2-propynyl butyl carbamate	Butyl-3-iodo-2-propynylcarbamate	3.3 r	ng/m3	36 mg/m3	220 mg/m3
Ingredient	Original IDLH		Revised IDLH		
ingredient	Onginal IDLH		Revised IDLR		
phenol/ formaldehyde polymer sodium salt	Not Available		Not Available		
tebuconazole	Not Available		Not Available		
propiconazole	Not Available		Not Available		
permethrin	Not Available		Not Available		
3-iodo-2-propynyl butyl carbamate	Not Available		Not Available		
2-ethylhexanoic acid, zinc salt	Not Available		Not Available		

MATERIAL DATA

Exposure controls

	Hazard relates to dust released by sawing, cutting, sanding, trimming or other finishing Engineering controls are used to remove a hazard or place a barrier between the worker and highly effective in protecting workers and will typically be independent of worker interactions to The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the Enclosure and/or isolation of emission source which keeps a selected hazard "physically" awa "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if or 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 exist	the hazard. Well-designed engineerin p provide this high level of protection. he risk. ay from the worker and ventilation that lesigned properly. The design of a vent	strategically "adds" a
	obtain adequate protection. Provide adequate ventilation in warehouse or closed storage area varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulatir		
	Type of Contaminant:		Air Speed:
	solvent, vapours, degreasing etc., evaporating from tank (in still air)		
	aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)		
iate engineering controls	direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)		
controlo	grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).		
	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	

reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min.) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.



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
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)

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.

	Disposable respirator	Re-usable respirator	Powered respirator
All woodworking operations eg use of routers, lathes, planers, saws and vertical spindle moulders (VSMs)	Type P2 filter for low residual dust levels for lower risk woods such as pine Type P3 filter for higher residual dust levels such as when sanding (hand , disc, bobbin, pad etc.). Also for all work involving more toxic woods such as hard woods, Western red cedar and MDF	Type P2 filter fitted to either a half mask or full face mask of Class 1 or 2 Type P3 filter fitted to either a half mask or full face mask of Class 2 Note: A combined organic vapour filter Type A (organic), either Class 1 or 2, will provide protection against any formadehyde vapours present from MDF	Lightweight powered hood visor or helmet of Type TH1 equivalent protection to Type P2 filter Lightweight powered visor or helmet with Type TH2 equivalent to Type P3 filter
Changing dust collection bags on simple recirculating dust collectors in the workroom	Type P3 Filter	Type P3 filter fitted to either a half mask or full face mask of Class 2	Lightweight powered visor or helmet of Type TH2 equivalent to Type P3 filter
Entry into dust collection rooms/ vaults Entry into very dusty filter galleries for bag changing Work inside heavily contaminated ducts Ensure none of these are confined spaces (oxygen deficient atmosphere)	Disposable respirators not suitable	Type P3 filter fitted to full face mask of Class 2	Lightweight powered hood, visor or helmet of Type TH2 equivalent to Type P3 filter

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Plywood in all sizes, impregnated with liquid treatment; can give off white spirit odour. THIS CHEMWATCH REPORT IS FOR TREATED PRODUCT ONLY.		
Physical state	Manufactured	Relative density (Water = 1)	0.4-0.8
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
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 Applicable

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	g 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 dermatilis, simple bronchilis and non asthmatic chronic airflow obstruction. Wood is an organic substrate for growth of micro-organisms and fungal spores, these readily become airborne with wood dust and have caused a variety of respiratory infections Various woods, mainly tropical varieties, are let in bit obstruction. Exploring wood-working and those of a delayed type (contact eczema) 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 allergen 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 to the stusts or with hyphilised aqueous extracts. Very course dust may produce false negatives and very fine dust may produce false positive results in skin tests and IgE induction. Bronchial provocation tests may produce false negatives and very fine dust may produce false positives (irritation). Non-allergenic bronchial and asla irritation are seen frequently. Certain exotic woods contain alkaloids which may produce headache, anorexia, naus		
Futurebuild LOSP Treated LVL and hyJOIST	TOXICITY Not Available	IRRITATION Not Available	
phenol/ formaldehyde polymer sodium salt	TOXICITY Not Available	IRRITATION Not Available	
tebuconazole	TOXICITY dermal (rat) LD50: >5000 mg/kg ^[2] Inhalation (rat) LC50: 0.371 mg//4H ^[2] Oral (rat) LD50: 3352 mg/kg ^[2]	IRRITATION Non-irritating to eyes, skin. *	

Legend:	1. Value obtained from Europe ECHA Registered Subst data extracted from RTECS - Register of Toxic Effect of		from manufacturer's SDS. Unless otherwise specified	
TEBUCONAZOLE	(aerosol) NOEL (2 y)* for rats, 300 mg/kg diet for dogs,	100 mg/kg " for mice, 20 mg/kg " ADI 0.0	3 mg/kg b.w. * Toxicity Class WHO III; EPA III *	
PROPICONAZOLE	No sensitisation in guinea pigs * ADI 0.04 mg/kg b.w. * Toxicity Class WHO III NOEL for dogs 50 ppm (1.9 mg/kg b.w. daily) *			
PERMETHRIN	The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis. The substance is classified by IARC as Group 3: NOT classifiable as to its carcinogenicity to humans. Evidence of carcinogenicity may be inadequate or limited in animal testing. Oral (rat) LD50: 430-4000 mg/kg * Oral (mouse) LD50: 540-2960 mg/kg * cis/trans ratio: 40:60 cis/trans ratio: 20:80 ADI: 0.05 mg/kg for nominal cis-trans 40:60 and 25:75 isomers only			
3-IODO-2-PROPYNYL BUTYL CARBAMATE	 40:00 and 25:75 isomers only for 3-iodo-2-propynyl buly (arbamate (IPBC): Actuet toxicity: Acceptable acute toxicity studies with IPBC indicate low toxicity except eye initiation study in rabbi. IPBC technical was severely initiating to the eyes of white rabbits, with comeal opacity and comeal vascularization reported in nuwakehe eyes by day 21 post-treatment. The technical grade of IPBC was slight initiating to the skin of white rabbits. In a demain sensitization study in Guinea pigs. Studchronic toxicity: In a studying table, the skin of white rabbits. In a demain sensitization study in Cuinea pigs. Studchronic toxicity: In a studyin rabbi. Toxic demain demale Sgrague-Dawley ratis received IPBC technical by gavage for 13 weeks at doses of 0, 20, 50, and 125 mg/kg/day. At the 125 mg/kg/day dose level, body weight gain was decreased by 10% in male rats for weeks 1-13 of the study, and by 12% in lemale rats or the same period. Absolute liver weight was increased by approximately 31% in both meale rats at the 125 mg/kg/day dose level, while kidney to body weight rabit on termale rats was increased 18% to body weight rabit. The systemic NOEL was considered to be 50 mg/kg/day, based on increased kine to body weight (4=65) and weight rabit. In a study-shore and the 50 mg/kg/day dose, elvered. The systemic NOEL was considered to be 20 mg/kg/day dose, level. The 500 mg/kg/day dose level. Herake sin this study shows and hibbit on of heavies exets, shore period xA the 500 mg/kg/day dose, groups but not at the 500 mg/kg/day dose level. Retaiclose rates, in female rats, shore period xA the 500 mg/kg/day dose groups but not at the 500 mg/kg/day dose level. Females in this study showed inhibition of pleama cholinesterase at 500 mg/k/day tose level. Study exet level cherake at the 200 mg/kg/day dose level, and easing period and and male rates. Study and weight ratic rate rates and remale strague of another stars. The indednece of mambers and 2000 mg/kg/day dose groups but not at t			
PHENOL/ FORMALDEHYDE POLYMER SODIUM SALT & 2-ETHYLHEXANOIC ACID, ZINC SALT	No significant acute toxicological data identified in literature search.			
TEBUCONAZOLE & PROPICONAZOLE & PERMETHRIN	[* The Pesticides Manual, Incorporating The Agroo Council]	[* The Pesticides Manual, Incorporating The Agrochemicals Handbook, 10th Edition, Editor Clive Tomlin, 1994, British Crop Protection Council]		
PROPICONAZOLE & PERMETHRIN	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.			
A		0 1	×	
Acute Toxicity	X	Carcinogenicity	×	
Skin Irritation/Corrosion	×	Reproductivity	×	
Serious Eye Damage/Irritation	×	STOT - Single Exposure	×	
Respiratory or Skin sensitisation	X	STOT - Repeated Exposure	×	
Mutagenicity	×	Aspiration Hazard	×	

Legend: 🗙 – Da

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

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCI
Futurebuild LOSP Treated LVL and hyJOIST	Not Available	Not Available	Not Available	Not Available	Not Available
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCI
phenol/ formaldehyde polymer sodium salt	Not Available	Not Available	Not Available	Not Available	Not Available
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURC
	LC50	96	Fish	0.122mg/L	3
tebuconazole	EC50	48	Crustacea	4.0mg/L	4
	EC50	96	Algae or other aquatic plants	0.127mg/L	3
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURC
	LC50	96	Fish	0.83mg/L	4
propiconazole	EC50	48	Crustacea	3.2mg/L	4
	EC50	72	Algae or other aquatic plants	0.0008mg/L	4
	NOEC	96	Crustacea	0.5mg/L	4
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURC
	LC50	96	Fish	0.00062mg/L	4
	EC50	48	Crustacea	0.000112mg/L	4
permethrin	EC50	96	Algae or other aquatic plants	0.005mg/L	3
	BCFD	24	Algae or other aquatic plants	1mg/L	4
	NOEC	96	Crustacea	0.000025mg/L	4
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURC
	LC50	96	Fish	0.067mg/L	2
3-iodo-2-propynyl butyl	EC50	48	Crustacea	0.04mg/L	5
carbamate	EC50	72	Algae or other aquatic plants	0.022mg/L	2
	EC10	72	Algae or other aquatic plants	0.0058mg/L	2
	NOEC	72	Algae or other aquatic plants	0.0046mg/L	2
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURC
	LC50	96	Fish	0.001-0.65mg/L	2
2-ethylhexanoic acid, zinc salt	EC50	48	Crustacea	0.001-0.014mg/L	2
	EC50	72	Algae or other aquatic plants	2.72mg/L	2
	NOEC	72	Algae or other aquatic plants	0.0003538mg/L	2

end: Extracted from 1. IOCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity Data 2. EUROPE ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity Data (Stimated) 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
tebuconazole	HIGH	HIGH
permethrin	HIGH	HIGH
3-iodo-2-propynyl butyl carbamate	HIGH	HIGH

Bioaccumulative potential

Ingredient	Bioaccumulation
tebuconazole	HIGH (LogKOW = 5.4673)
permethrin	LOW (LogKOW = 7.4267)
3-iodo-2-propynyl butyl carbamate	LOW (LogKOW = 2.4542)

Mobility in soil

Ingredient	Mobility
tebuconazole	LOW (KOC = 20660)

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permethrin	LOW (KOC = 178400)
3-iodo-2-propynyl butyl carbamate	LOW (KOC = 365.3)

SECTION 13 DISPOSAL CONSIDERATIONS

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 POLYMER SODIUM SALT(40798-65-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

TEBUCONAZOLE(107534-96-3) IS FOUND ON THE FOLLOWING REGULATORY LISTS

TEBOCONAZOLE(10/334-30-3) IS FOUND ON THE FOLLOWING REGULATORY LISTS	
Australia Dangerous Goods Code (ADG Code) - Dangerous Goods List	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule
Australia Dangerous Goods Code (ADG Code) - List of Emergency Action Codes	5
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals	International Air Transport Association (IATA) Dangerous Goods Regulations
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Index	International Maritime Dangerous Goods Requirements (IMDG Code)
	United Nations Recommendations on the Transport of Dangerous Goods Model Regulations
PROPICONAZOLE(60207-90-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS	
Australia Dangerous Goods Code (ADG Code) - Dangerous Goods List	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule
Australia Dangerous Goods Code (ADG Code) - List of Emergency Action Codes	5
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule
Australia Inventory of Chemical Substances (AICS)	6
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Index	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
PERMETHRIN(52645-53-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS	
Australia Dangerous Goods Code (ADG Code) - Dangerous Goods List	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule
Australia Dangerous Goods Code (ADG Code) - List of Emergency Action Codes	5
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule
Australia Inventory of Chemical Substances (AICS)	6
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Index	International Agency for Research on Cancer (IARC) - Agents Classified by the IARC
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule	Monographs
2	International Air Transport Association (IATA) Dangerous Goods Regulations
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule	International Maritime Dangerous Goods Requirements (IMDG Code)
4	United Nations Recommendations on the Transport of Dangerous Goods Model Regulations
3-IODO-2-PROPYNYL BUTYL CARBAMATE(55406-53-6) IS FOUND ON THE FOLLOWING	REGULATORY LISTS
Australia Dangerous Goods Code (ADG Code) - Dangerous Goods List	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule
Australia Dangerous Goods Code (ADG Code) - List of Emergency Action Codes	5
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule
Australia Inventory of Chemical Substances (AICS)	6
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Index	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
2-ETHYLHEXANOIC ACID, ZINC SALT(136-53-8) IS FOUND ON THE FOLLOWING REGUL	ATORY LISTS
Australia Dangerous Goods Code (ADG Code) - Dangerous Goods List	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule

Australia Dangerous Goods Code (ADG Code) - List of Emergency Action Codes 4 Australia Inventory of Chemical Substances (AICS) International Air Transport Association (IATA) Dangerous Goods Regulations Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Index 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 (tebuconazole)	
Canada - DSL	No (tebuconazole; propiconazole; permethrin)	
Canada - NDSL	No (3-iodo-2-propynyl butyl carbamate; 2-ethylhexanoic acid, zinc salt; tebuconazole; propiconazole; permethrin; phenol/ formaldehyde polymer sodium salt)	
China - IECSC	No (propiconazole)	
Europe - EINEC / ELINCS / NLP	No (phenol/ formaldehyde polymer sodium salt)	
Japan - ENCS	No (tebuconazole; propiconazole; phenol/ formaldehyde polymer sodium salt)	
Korea - KECI	Yes	
New Zealand - NZIoC	Yes	
Philippines - PICCS	No (propiconazole; phenol/ formaldehyde polymer sodium salt)	
USA - TSCA	No (tebuconazole; propiconazole; permethrin)	
Taiwan - TCSI	Yes	
Mexico - INSQ	No (phenol/ formaldehyde polymer sodium salt)	
Vietnam - NCI	No (phenol/ formaldehyde polymer sodium salt)	
Russia - ARIPS	No (2-ethylhexanoic acid, zinc salt; propiconazole; phenol/ formaldehyde polymer sodium salt)	
Thailand - TECI	No (phenol/ formaldehyde polymer sodium salt)	
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	02/08/2006

SDS Version Summary

Version	Issue Date	Sections Updated
14.1.1.1	15/08/2018	Name
15.1.1.1	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
propiconazole	60207-90-1, 75881-82-2
permethrin	52645-53-1, 54774-45-7, 57608-04-5, 93388-66-0, 63364-00-1, 60018-94-2, 75497-64-2
2-ethylhexanoic acid, zinc salt	136-53-8, 157321-97-6, 54262-78-1, 1000888-64-1

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_ $\ensuremath{\mathsf{IDLH}}$ 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

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