

Carter Holt Harvey

Chemwatch: 4729-83

Version No: 11.1.1.1

Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 1

Issue Date: 12/05/2016 Print Date: 18/05/2016 Initial Date: Not Available L.GHS.AUS.EN

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

Product Identifier

| Product name | CHH LOSP Azole Treated Pine Plywood, LVL and I Joist | |
|----------------------------------|--|--|
| Synonyms | Not Available | |
| Other means of identification | Not Available | |

Relevant identified uses of the substance or mixture and uses advised against

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

Details of the supplier of the safety data sheet

| Registered company name | Carter Holt Harvey | Carter Holt Harvey (Woodproducts) |
|----------------------------|--|---|
| Address | PO Box 425 Box Hill VIC 3128 Australia | Private Bag 92165 Auckland 1142 New Zealand |
| Telephone | +61 3 9258 7600 | 0800 866 678 |
| Fax | +61 3 9258 7629 | 0800 866 679 |
| Website | Not Available | www.chhwoodproducts.co.nz |
| Email | Not Available | woodproducts@chhwoodproducts.co.nz |

Emergency telephone number

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

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

NON-HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

CHEMWATCH HAZARD RATINGS

| | Min | Max | |
|--------------|-----|-----|--------------------------|
| Flammability | 0 | | |
| Toxicity | 0 | | 0 = Minimum |
| Body Contact | 1 | 1 | 1 = Low |
| Reactivity | 0 | | 2 = Moderate 3 = High |
| Chronic | 0 | | 4 = Extreme |

| Poisons Schedule | Not Applicable |
|------------------|----------------|
| Classification | Not Applicable |

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CHH LOSP Azole Treated Pine Plywood, LVL and I Joist

| GHS label elements | Not Applicable |
|--------------------|----------------|
| | |
| SIGNAL WORD | 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 | >98 | wood veneer |
| Not Available | <2 | impregnation residuals, as |
| 107534-96-3 | ٨ | tebuconazole |
| 60207-90-1 | ۸ | propiconazole |
| 52645-53-1 | ۸ | permethrin |
| 55406-53-6 | ^ | 3-iodo-2-propynyl butyl carbamate |
| 136-53-8 | ^ | 2-ethylhexanoic acid, zinc salt |
| | | In use, may generate wood dust softwood |
| | | 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).

Special hazards arising from the substrate or mixture

| Fire Incompatibility | Avoid exposure to excessive heat and fire. |
|-------------------------|--|
| Advice for firefighters | |
| | Alert Fire Brigade and tell them location and nature of bazard |

| Fire Fighting | 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. |

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

| 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 | Use gloves when handling product to avoid splinters. |
|-------------------|--|
| 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

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 | nylcarbamate 3.3 mg/m3 | | 36 mg/m3 | 220 mg/m3 |
| In one diamat | | | Davia ad IDI II | | |
| Ingredient | Original IDLH | | Revised IDLH | | |
| wood veneer | Not Available | | Not Available | | |
| impregnation residuals, as | Not Available | | Not Available | | |
| tebuconazole | Not Available | | le Not Available Not Available | | |
| propiconazole | Not Available | | azole Not Available Not Available | | |
| permethrin | Not Available | | Not Available | | |
| 3-iodo-2-propynyl butyl carbamate | Not Available | | Not Available Not Available | | |
| 2-ethylhexanoic acid, zinc salt | Not Available | | Not Available | | |

| Exposure controls | |
|-------------------------------------|---|
| Appropriate engineering controls | Hazard relates to dust released by sawing, cutting, sanding, trimming or other finishing operations. Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. |
| 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 |
| Body protection | See Other protection below |
| Other protection | No special equipment needed when handling small quantities. OTHERWISE: • Overalls. • Barrier cream. • Eyewash unit. |
| Thermal hazards | Not Available |

Respiratory protection

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

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

| Required Minimum Protection Factor | Half-Face Respirator | Full-Face Respirator | Powered Air Respirator |
|------------------------------------|----------------------|----------------------|-------------------------|
| up to 10 x ES | A-AUS P2 | - | A-PAPR-AUS / Class 1 P2 |
| up to 50 x ES | - | A-AUS / Class 1 P2 | - |
| up to 100 x ES | - | A-2 P2 | A-PAPR-2 P2 ^ |

^ - Full-face

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)

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| Appearance | Plywood in all sizes, impregnated with liquid trea TREATED PRODUCT ONLY. | tment; can give off white spir | it odour. THIS CHEMWATCH REPORT IS FOR |
|---|---|--|--|
| 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 (g/L) | 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 dermatitis, simple bronchitis 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 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 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 allergens have been isolated and identified; these are mostly quinone or flavone derivatives. |

| CHH LOSP Azole Treated Pine Plywood, | TOXICITY | IRRITATION |
|---|---|---------------------------------|
| LVL and I Joist | Not Available | Not Available |
| | TOXICITY | IRRITATION |
| | dermal (rat) LD50: >5000 mg/kg ^[2] | Non-irritating to eyes, skin. * |
| tebuconazole | Inhalation (rat) LC50: >0.8 mg/L/4h ^[2] | |
| | Inhalation (rat) LC50: 0.371 mg/L/4H ^[2] | |
| | Oral (rat) LD50: 3352 mg/kg ^[2] | |
| | TOXICITY | IRRITATION |
| propiconazole | dermal (rat) LD50: >4000 mg/kg ^[2] | Eye (non-irritating) * |

| | Inhalation (rat) LC50: >5.8 mg/L/4h **[2] | Skin (non-irritating) * |
|-----------------------|---|--|
| | Inhalation (rat) LC50: 1.264 mg/L/4H ^[2] | |
| | Oral (rat) LD50: 1517 mg/kg* ^[2] | |
| | тохісіту | IRRITATION |
| permethrin | dermal (rat) LD50: 1750 mg/kg ^[2] | Skin (rabbit): 500 mg/24h - mild |
| | Oral (rat) LD50: 383 mg/kgd ^[2] | |
| | тохісіту | IRRITATION |
| 3-iodo-2-propynyl | dermal (rat) LD50: >2000 mg/kg*] ^[2] | * [Yoshitomi and Troy Chem.WPL] |
| butyl carbamate | Inhalation (rat) LC50: 0.680 mg/l/4h *g ^[2] | Eye: Irritating |
| | Oral (rat) LD50: 1056 mg/kg*t ^[2] | Skin: Slight irritant |
| 2-ethylhexanoic acid, | тохісіту | IRRITATION |
| zinc salt | Not Available | Not Available |
| Legend: | 1. Value obtained from Europe ECHA Registered Sub- Unless otherwise specified data extracted from RTEC | stances - Acute toxicity 2.* Value obtained from manufacturer's SDS. CS - Register of Toxic Effect of chemical Substances |

| TEBUCONAZOLE | [* The Pesticides Manual, Incorporating The British Crop Protection Council] (aerosol) NOEL (2 y)* for rats, 300 mg/kg diet for Class WHO III; EPA III * | • | |
|--|--|--|---|
| PROPICONAZOLE | The following information refers to contact allerg Contact allergies quickly manifest themselves as pathogenesis of contact eczema involves a cell- allergic skin reactions, e.g. contact urticaria, invo [* The Pesticides Manual, Incorporating The British Crop Protection Council] No sensitisation in guinea pigs * ADI 0.04 mg/kg * | s contact eczema, more rare mediated (T lymphocytes) ir olve antibody-mediated immu a Agrochemicals Handboo | ly as urticaria or Quincke's oedema. The mmune reaction of the delayed type. Other une reactions. k, 10th Edition, Editor Clive Tomlin, 1994, |
| PERMETHRIN | The following information refers to contact allerg Contact allergies quickly manifest themselves as pathogenesis of contact eczema involves a cell- allergic skin reactions, e.g. contact urticaria, invo The material may cause skin irritation after prolo (nonallergic). This form of dermatitis is often cha there may be intercellular oedema of the spongy The substance is classified by IARC as Group 3 NOT classifiable as to its carcinogenicity to hum | s contact eczema, more rare mediated (T lymphocytes) ir olve antibody-mediated immu nged or repeated exposure a aracterised by skin redness (aracter (spongiosis) and intracted s | ly as urticaria or Quincke's oedema. The mmune reaction of the delayed type. Other une reactions. and may produce a contact dermatitis erythema) and swelling epidermis. Histologically |
| | Evidence of carcinogenicity may be inadequate of [* The Pesticides Manual, Incorporating The British Crop Protection Council] Oral (rat) LD50: 430-4000 mg/kg * Oral (mouse) mg/kg for nominal cis-trans 40:60 and 25:75 ison | Agrochemicals Handbook | k, 10th Edition, Editor Clive Tomlin, 1994, /trans ratio: 40:60 cis/trans ratio: 20:80 ADI: 0.05 |
| 3-IODO-2-PROPYNYL BUTYL CARBAMATE | [* The Pesticides Manual, Incorporating The British Crop Protection Council] Oral (rat) LD50: 430-4000 mg/kg * Oral (mouse) mg/kg for nominal cis-trans 40:60 and 25:75 ison for 3-iodo-2-propynyl butyl carbamate (IPBC): Acute toxicity: Acceptable acute toxicity studies irritation study in rabbi. IPBC technical was sever | Agrochemicals Handboor LD50: 540-2960 mg/kg * cis. mers only s with IPBC indicate low toxi erely irritating to the eyes of the | /trans ratio: 40:60 cis/trans ratio: 20:80 ADI: 0.05 city except eye irritation. In a primary eye |
| | [* The Pesticides Manual, Incorporating The British Crop Protection Council] Oral (rat) LD50: 430-4000 mg/kg * Oral (mouse) mg/kg for nominal cis-trans 40:60 and 25:75 ison for 3-iodo-2-propynyl butyl carbamate (IPBC): Acute toxicity: Acceptable acute toxicity studies irritation study in rabbi. IPBC technical was seven vascularization reported in unwashed eyes by da | Agrochemicals Handbook LD50: 540-2960 mg/kg * cis. mers only s with IPBC indicate low toxi erely irritating to the eyes of v ay 21 post-treatment. The ter | /trans ratio: 40:60 cis/trans ratio: 20:80 ADI: 0.05 city except eye irritation. In a primary eye white rabbits, with corneal opacity and corneal |
| BUTYL CARBAMATE 2-ETHYLHEXANOIC | [* The Pesticides Manual, Incorporating The British Crop Protection Council] Oral (rat) LD50: 430-4000 mg/kg * Oral (mouse) mg/kg for nominal cis-trans 40:60 and 25:75 ison for 3-iodo-2-propynyl butyl carbamate (IPBC): Acute toxicity: Acceptable acute toxicity studies irritation study in rabbi. IPBC technical was seven vascularization reported in unwashed eyes by da skin of white rabbits. | Agrochemicals Handbook LD50: 540-2960 mg/kg * cis. mers only s with IPBC indicate low toxi erely irritating to the eyes of v ay 21 post-treatment. The ter | /trans ratio: 40:60 cis/trans ratio: 20:80 ADI: 0.05 city except eye irritation. In a primary eye white rabbits, with corneal opacity and corneal |
| BUTYL CARBAMATE 2-ETHYLHEXANOIC ACID, ZINC SALT | [* The Pesticides Manual, Incorporating The British Crop Protection Council] Oral (rat) LD50: 430-4000 mg/kg * Oral (mouse) mg/kg for nominal cis-trans 40:60 and 25:75 ison for 3-iodo-2-propynyl butyl carbamate (IPBC): Acute toxicity: Acceptable acute toxicity studies irritation study in rabbi. IPBC technical was seve vascularization reported in unwashed eyes by da skin of white rabbits. No significant acute toxicological data identified | Agrochemicals Handbook LD50: 540-2960 mg/kg * cis. mers only s with IPBC indicate low toxi erely irritating to the eyes of v ay 21 post-treatment. The ter in literature search. | /trans ratio: 40:60 cis/trans ratio: 20:80 ADI: 0.05 city except eye irritation. In a primary eye white rabbits, with corneal opacity and corneal chnical grade of IPBC was slightly irritating to the |
| BUTYL CARBAMATE 2-ETHYLHEXANOIC ACID, ZINC SALT Acute Toxicity Skin | [* The Pesticides Manual, Incorporating The British Crop Protection Council] Oral (rat) LD50: 430-4000 mg/kg * Oral (mouse) mg/kg for nominal cis-trans 40:60 and 25:75 isor for 3-iodo-2-propynyl butyl carbamate (IPBC): Acute toxicity: Acceptable acute toxicity studies irritation study in rabbi. IPBC technical was sever vascularization reported in unwashed eyes by da skin of white rabbits. No significant acute toxicological data identified | Agrochemicals Handbook LD50: 540-2960 mg/kg * cis. mers only s with IPBC indicate low toxi erely irritating to the eyes of variation of the eyes o | /trans ratio: 40:60 cis/trans ratio: 20:80 ADI: 0.05 city except eye irritation. In a primary eye white rabbits, with corneal opacity and corneal chnical grade of IPBC was slightly irritating to the |
| BUTYL CARBAMATE 2-ETHYLHEXANOIC ACID, ZINC SALT Acute Toxicity Skin Irritation/Corrosion Serious Eye | [* The Pesticides Manual, Incorporating The British Crop Protection Council] Oral (rat) LD50: 430-4000 mg/kg * Oral (mouse) mg/kg for nominal cis-trans 40:60 and 25:75 isor for 3-iodo-2-propynyl butyl carbamate (IPBC): Acute toxicity: Acceptable acute toxicity studies irritation study in rabbi. IPBC technical was sever vascularization reported in unwashed eyes by da skin of white rabbits. No significant acute toxicological data identified | Agrochemicals Handboor LD50: 540-2960 mg/kg * cis mers only s with IPBC indicate low toxi erely irritating to the eyes of v ay 21 post-treatment. The ter in literature search. Carcinogenicity Reproductivity STOT - Single | /trans ratio: 40:60 cis/trans ratio: 20:80 ADI: 0.05 city except eye irritation. In a primary eye white rabbits, with corneal opacity and corneal chnical grade of IPBC was slightly irritating to the |

Legend:

👗 – Data available but does not till the criteria for classification

Data required to make classification available

 \bigcirc – Data Not Available to make classification

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

| Ingredient | Endpoint | Test Duration (hr) | Species | Value | Source |
|--------------------------------------|----------|--------------------|-------------------------------|----------------|--------|
| tebuconazole | EC50 | 384 | Crustacea | 0.039mg/L | 3 |
| tebuconazole | EC50 | 96 | Algae or other aquatic plants | 0.127mg/L | 3 |
| tebuconazole | LC50 | 96 | Fish | 0.122mg/L | 3 |
| tebuconazole | EC50 | 48 | Crustacea | 4.0mg/L | 4 |
| propiconazole | EC50 | 264 | Algae or other aquatic plants | 0.021mg/L | 4 |
| propiconazole | EC50 | 48 | Crustacea | 3.2mg/L | 4 |
| propiconazole | EC50 | 72 | Algae or other aquatic plants | 0.0008mg/L | 4 |
| oropiconazole | LC50 | 96 | Fish | 0.83mg/L | 4 |
| propiconazole | NOEC | 96 | Crustacea | 0.5mg/L | 4 |
| permethrin | EC50 | 96 | Algae or other aquatic plants | 0.005mg/L | 3 |
| permethrin | BCFD | 24 | Algae or other aquatic plants | 1mg/L | 4 |
| permethrin | EC10 | 144 | Crustacea | 0.000009mg/L | 4 |
| permethrin | EC50 | 48 | Crustacea | 0.000112mg/L | 4 |
| permethrin | LC50 | 96 | Fish | 0.00062mg/L | 4 |
| permethrin | NOEC | 96 | Crustacea | 0.000025mg/L | 4 |
| 3-iodo-2-propynyl butyl carbamate | EC50 | 96 | Algae or other aquatic plants | 1.978mg/L | 3 |
| 3-iodo-2-propynyl butyl carbamate | EC50 | 96 | Crustacea | 0.0234mg/L | 4 |
| 3-iodo-2-propynyl butyl carbamate | LC50 | 96 | Fish | 0.067mg/L | 4 |
| 3-iodo-2-propynyl butyl carbamate | NOEC | 48 | Crustacea | <0.01mg/L | 4 |
| 3-iodo-2-propynyl butyl carbamate | EC50 | 48 | Crustacea | 0.04mg/L | 5 |
| 2-ethylhexanoic acid, zinc salt | LC50 | 96 | Fish | 0.112mg/L | 2 |
| 2-ethylhexanoic acid, zinc salt | EC50 | 24 | Crustacea | 0.19mg/L | 2 |
| 2-ethylhexanoic acid, zinc salt | EC50 | 48 | Crustacea | 1.4mg/L | 2 |
| 2-ethylhexanoic acid, zinc salt | EC50 | 72 | Algae or other aquatic plants | 2.72mg/L | 2 |
| 2-ethylhexanoic acid, zinc salt | NOEC | 72 | Algae or other aquatic plants | 0.00045994mg/L | 2 |

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

Data

Persistence and degradability

| Ingredient | Persistence: Water/Soil | Persistence: Air |
|--------------------------------------|-------------------------|------------------|
| tebuconazole | HIGH | HIGH |
| permethrin | HIGH | HIGH |
| 3-iodo-2-propynyl butyl carbamate | нідн | HIGH |

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

SECTION 13 DISPOSAL CONSIDERATIONS

| Product / Packaging disposal | | |
|---------------------------------|--|--|
|---------------------------------|--|--|

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

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

Australia Hazardous Substances Information System - Consolidated Lists

PROPICONAZOLE(60207-90-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists Australia Inventory of Chemical Substances (AICS)

PERMETHRIN(52645-53-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS

| Australia Hazardous Substances Information System - Consolidated Lists | |
|--|--|
| Australia Inventory of Chemical Substances (AICS) | |

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

3-IODO-2-PROPYNYL BUTYL CARBAMATE(55406-53-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists Australia Inventory of Chemical Substances (AICS)

2-ETHYLHEXANOIC ACID, ZINC SALT(136-53-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

| National Inventory | Status |
|--------------------|---|
| Australia - AICS | N (tebuconazole) |
| Canada - DSL | N (tebuconazole; propiconazole; permethrin) |
| Canada - NDSL | N (3-iodo-2-propynyl butyl carbamate; 2-ethylhexanoic acid, zinc salt; tebuconazole; propiconazole; permethrin) |

| China - IECSC | N (propiconazole) |
|----------------------------------|---|
| Europe - EINEC / ELINCS / NLP | Υ |
| Japan - ENCS | N (tebuconazole; propiconazole; permethrin) |
| Korea - KECI | Υ |
| New Zealand - NZIoC | Y |
| Philippines - PICCS | N (propiconazole) |
| USA - TSCA | N (tebuconazole; propiconazole; permethrin) |
| Legend: | Y = AII ingredients are on the inventory N = 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

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, 60018-94-2, 63364-00-1, 75497-64-2, 93388-66-0 |
| 2-ethylhexanoic acid, zinc salt | 1000888-64-1, 136-53-8, 157321-97-6, 54262-78-1 |

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

A list of reference resources used to assist the committee may be found at:

www.chemwatch.net

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

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