RESENE WOOD-X DECKING WOOD OIL

Resene Paints Ltd

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

Product Identifier

Product name | RESENE WOOD-X DECKING WOOD OIL
Synonyms | Not Available
Other means of identification | Not Available

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

Relevant identified uses | 10363

Details of the supplier of the safety data sheet

Registered company name | Resene Paints Ltd
Address | 32-50 Vogel Street 5011 Naenae Wellington New Zealand
Telephone | +64 4 577 0500
Fax | +64 4 5773327
Website | www.resene.co.nz
Email | advice@resene.co.nz

Emergency telephone number

Association / Organisation | NZ POISONS (24hr 7 days)
Emergency telephone numbers | 0800 764766
Other emergency telephone numbers | Not Available

CHEMWATCH EMERGENCY RESPONSE

Primary Number | Alternative Number 1 | Alternative Number 2
+64 800 700 112 | +61 2 9196 1132 | Not Available

Once connected and if the message is not in your preferred language then please dial 01

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification | Skin Sensitizer Category 1, Chronic Aquatic Hazard Category 3
Determined by Chemwatch using GHS/HSNO criteria | 6.5B (contact), 9.1C

Label elements

Hazard pictogram(s)

SIGNAL WORD | WARNING

Hazard statement(s)

H317 | May cause an allergic skin reaction.
H412 | Harmful to aquatic life with long lasting effects.

Precautionary statement(s) Prevention

P280 | Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement(s) Response

Continued...
Precautionary statement(s) Storage
Not Applicable

Precautionary statement(s) Disposal
P501 Dispose of contents/container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances
See section below for composition of Mixtures.
Ingredients are required by the Hazard Substances (Safety Data Sheets) Notice 2017 to be identified:

Mixtures

<table>
<thead>
<tr>
<th>CAS No</th>
<th>%[weight]</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>55406-53-6</td>
<td>&lt;1</td>
<td>3-iodo-2-propynyl butyl carbamate</td>
</tr>
<tr>
<td>21564-17-0</td>
<td>&lt;1</td>
<td>2-(thiocyanomethylthio)benzothiazole</td>
</tr>
</tbody>
</table>

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact
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
If skin contact occurs:
- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

Inhalation
If fumes, aerosols or combustion products are inhaled remove from contaminated area.
Other measures are usually unnecessary.

Ingestion
- 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
- Foam.

Special hazards arising from the substrate or mixture

Fire Incompatibility
None known.

Advice for firefighters

Fire Fighting
- Alert Fire Brigade and tell them location and nature of hazard.

Fire/Explosion Hazard
- Combustible.
  May emit corrosive fumes.

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

<table>
<thead>
<tr>
<th>Minor Spills</th>
<th>Major Spills</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contain spill with inert non-combustible absorbent then place in suitable container for disposal. Clean area with large quantity of water to complete clean-up.</td>
<td>Moderate hazard. Remove all ignition sources. Clear area of personnel and move upwind. Avoid breathing in mists or vapours and skin or eyes contact. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authority.</td>
</tr>
</tbody>
</table>

Personal Protective Equipment advice is contained in Section 8 of the SDS.
SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling
- Avoid unnecessary personal contact, including inhalation.
- DO NOT allow clothing wet with material to stay in contact with skin
- Store in original containers.

Conditions for safe storage, including any incompatibilities

Suitable container
- Packaging as recommended by manufacturer.

Storage incompatibility
- None known

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA
Not Available

EMERGENCY LIMITS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Material name</th>
<th>TEEL-1</th>
<th>TEEL-2</th>
<th>TEEL-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-iodo-2-propynyl butyl carbamate</td>
<td>Butyl-3-iodo-2-propynylcarbamate</td>
<td>3.3 mg/m³</td>
<td>36 mg/m³</td>
<td>220 mg/m³</td>
</tr>
</tbody>
</table>

MATERIAL DATA

Exposure controls

Appropriate engineering controls
- Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.

Personal protection

Eye and face protection
- Safety glasses with side shields.

Skin protection
- See Hand protection below

Hands/feet protection
- Wear chemical protective gloves, e.g. PVC.

Body protection
- See Other protection below

Other protection
- Overalls.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>TEEL-1</th>
<th>TEEL-2</th>
<th>TEEL-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH (as supplied)</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point (°C)</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling range (°C)</td>
<td>&gt;100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td>&gt;95</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Explosive Limit (%)</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Explosive Limit (%)</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour pressure (kPa)</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Immiscible</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour density (Air = 1)</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chemical properties

Relative density (Water = 1)
- 0.87-0.91

Partition coefficient n-octanol / water
- Not Available

Auto-ignition temperature (°C)
- Not Available

Decomposition temperature
- Not Available

Viscosity (cSt)
- Not Available

Molecular weight (g/mol)
- Not Available

Taste
- Not Available

Explosive properties
- Not Available

Oxidising properties
- Not Available

Surface Tension (dyn/cm or mN/m)
- Not Available

Volatile Component (%vol)
- 10

Gas group
- Not Available

pH as a solution (%)
- Not Available

VOC g/L
- 23
SECTION 10 STABILITY AND REACTIVITY

Reactivity
See section 7

Chemical stability
stable

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
The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models).

Ingestion
The material has NOT been classified by EC Directives or other classification systems as 'harmful by ingestion'.

Skin Contact
The liquid may be miscible with fats or oils and may degrease the skin, producing a skin reaction described as non-allergic contact dermatitis.

Eye
Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

Chronic
Practical experience shows that skin contact with the material is capable either of inducing a sensitisation reaction in a substantial number of individuals, and/or of producing a positive response in experimental animals.

RESENE WOOD-X DECKING WOOD OIL

<table>
<thead>
<tr>
<th>TOXICITY</th>
<th>IRRITATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

3-iodo-2-propynyl butyl carbamate

<table>
<thead>
<tr>
<th>TOXICITY</th>
<th>IRRITATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation (rat) LC50: 0.680 mg/l/4h[^2]</td>
<td>Skin: Slight irritant</td>
</tr>
<tr>
<td>Oral (rat) LD50: 1056 mg/kg[^2]</td>
<td></td>
</tr>
</tbody>
</table>

2-(thiocyanomethylthio)benzothiazole

<table>
<thead>
<tr>
<th>TOXICITY</th>
<th>IRRITATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>dermal (rat) LD50: &gt;5000 mg/kg[^2]</td>
<td>Eye (rabbit): 100 mg moderate</td>
</tr>
<tr>
<td>Oral (rat) LD50: 679 mg/kg[^2]</td>
<td>Skin (rabbit): 500 mg moderate</td>
</tr>
</tbody>
</table>

*Legend: 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer’s SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances*

For 3-iodo-2-propynyl butyl carbamate (IPBC):
- Acute toxicity: Acceptable acute toxicity studies with IPBC indicate low toxicity except eye irritation.

The material may produce moderate eye irritation leading to inflammation.

The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic).

3-iodo-2-propynyl butyl carbamate (IPBC)

2-(thiocyanomethylthio)benzothiazole

The following information refers to contact allergens as a group and may not be specific to this product.

Acute Toxicity ✗ Carcinogenicity ✗
Skin Irritation/Corrosion ✗ Reproductivity
Serious Eye Damage/Irritation ✗
Respiratory or Skin sensitisation
Mutagenicity ✗

*Legend: ✗ Data either not available or does not fill the criteria for classification
✓ Data available to make classification*

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

RESENE WOOD-X DECKING WOOD OIL

<table>
<thead>
<tr>
<th>ENDPOINT</th>
<th>TEST DURATION (HR)</th>
<th>SPECIES</th>
<th>VALUE</th>
<th>SOURCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>
Persistence and degradability

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Persistence: Water/Soil</th>
<th>Persistence: Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-iodo-2-propynyl butyl carbamate</td>
<td>HIGH</td>
<td>HIGH</td>
</tr>
</tbody>
</table>

Bioaccumulative potential

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Bioaccumulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-iodo-2-propynyl butyl carbamate</td>
<td>LOW (LogKOW = 2.4542)</td>
</tr>
<tr>
<td>2-(thiocyanomethylthio)benzothiazole</td>
<td>LOW (BCF = 268)</td>
</tr>
</tbody>
</table>

Mobility in soil

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Mobility</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-iodo-2-propynyl butyl carbamate</td>
<td>LOW (KOC = 365.3)</td>
</tr>
</tbody>
</table>

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

CONTAINERS MAY STILL PRESENT A CHEMICAL HAZARD/ DANGER WHEN EMPTY.
Legislation addressing waste disposal requirements may differ by country, state and/or territory.
Recycle wherever possible or consult manufacturer for recycling options.
Consult manufacturer for recycling option.
Resene Paintwise accepts residual unwanted paint and packaging. See Resene website for Paintwise information. Or contact a Local Authority for the disposal information. Do not discharge the substance into the environment.

Ensure that the hazardous substance is disposed in accordance with the Hazardous Substances (Disposal) Notice 2017

Disposal Requirements

PACKAGES THAT HAVE BEEN IN DIRECT CONTACT WITH THE HAZARDOUS SUBSTANCE MUST ONLY BE DISPOSED IF THE HAZARDOUS SUBSTANCE WAS APPROPRIATELY REMOVED AND CLEANED OUT FROM THE PACKAGE.

SECTION 14 TRANSPORT INFORMATION

Labels Required

<table>
<thead>
<tr>
<th>Marine Pollutant</th>
<th>HAZCHEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Land transport (UN): 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

This substance is to be managed using the conditions specified in an applicable Group Standard

<table>
<thead>
<tr>
<th>HSR Number</th>
<th>Group Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSR002670</td>
<td>Surface Coatings and Coloursants (Subsidiary Hazard) Group Standard 2017</td>
</tr>
</tbody>
</table>

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

International Air Transport Association (IATA) Dangerous Goods Regulations
International Maritime Dangerous Goods Requirements (IMDG Code)
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification Data
New Zealand Inventory of Chemicals (NZIoC)

New Zealand Land Transport Rule: Dangerous Goods 2005 - Schedule 1 Quantity limits
United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (English)
United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (Spanish)

2-(THIOCYANOMETHYLTHIO)BENZOTHIAZOLE (21564-17-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Continued...
Hazardous Substance Location

Subject to the Health and Safety at Work (Hazardous Substances) Regulations 2017.

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Quantity beyond which controls apply for closed containers</th>
<th>Quantity beyond which controls apply when use occurring in open containers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Certified Handler

Subject to Part 4 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

<table>
<thead>
<tr>
<th>Class of substance</th>
<th>Quantities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Refer Group Standards for further information

Tracking Requirements

Not Applicable

National Inventory Status

<table>
<thead>
<tr>
<th>National Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia - AICS</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada - DSL</td>
<td>Yes</td>
</tr>
<tr>
<td>China - IECSC</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe - EINEC / ELINCS / NLP</td>
<td>Yes</td>
</tr>
<tr>
<td>Japan - ENCS</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea - KECI</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand - NZIoC</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines - PICCS</td>
<td>Yes</td>
</tr>
<tr>
<td>USA - TSCA</td>
<td>No (2-(thiocyanomethylthio)benzothiazole)</td>
</tr>
</tbody>
</table>

Legend:

Yes = All 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

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>Initial Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>25/01/2019</td>
<td>25/01/2019</td>
</tr>
</tbody>
</table>

Other information

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.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment.

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