# RESENE WOODSMAN DECKING STAIN

**Resene Paints Ltd**

Version No: **1.2**
Safety Data Sheet according to HSNO Regulations

Issue Date: **30/01/2018**
Print Date: **30/01/2018**
L.GHS.NZL.EN

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

### Product Identifier

| | |
|---|---|
| **Product name** | RESENE WOODSMAN DECKING STAIN |
| **Synonyms** | Not Available |
| **Other means of identification** | Not Available |

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

| | |
|---|---|
| **Relevant identified uses** | 10167 |

### 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 |
|---|---|---|
| +800 2436 2255 | +800 2436 2255 | +612 9186 1132 |

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

## SECTION 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture

| | |
|---|---|
| **Classification [1]** | Skin Sensitizer Category 1, Reproductive Toxicity Category 2, Chronic Aquatic Hazard Category 3 |
| ***Legend:*** | *1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI* |
| **Determined by Chemwatch using GHS/HSNO criteria** | 6.5B (contact), 9.1C, 6.8B |

### Label elements

| | |
|---|---|
| **Hazard pictogram(s)** |  |
| SIGNAL WORD | **WARNING** |

### Hazard statement(s)

| | |
|---|---|
| **H317** | May cause an allergic skin reaction. |
| **H361** | Suspected of damaging fertility or the unborn child. |
| **H412** | Harmful to aquatic life with long lasting effects. |

### Precautionary statement(s) Prevention

| | |
|---|---|
| **P201** | Obtain special instructions before use. |

**Continued...**

### Precautionary statement(s) Response

| | |
|---|---|
| **P308+P313** | IF exposed or concerned: Get medical advice/attention. |

### Precautionary statement(s) Storage

| | |
|---|---|
| **P405** | Store locked up. |

### 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 (Identification) Regulations 2001 to be identified:

### Mixtures

| CAS No | %[weight] | Name |
|---|---|---|
| 55406-53-6 | 0.1-1 | 3-iodo-2-propynyl butyl carbamate |
| 330-54-1 | 0.1-1 | diuron |
| Not Available | 0.1-1 | benzotriazol derivatives |

## SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

### Description of first aid measures

| | |
|---|---|
| **Eye Contact** | If this product comes in contact with eyes:<br>▸ Wash out immediately with water.<br>▸ If irritation continues, seek medical attention.<br>▸ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
| **Skin Contact** | If skin contact occurs:<br>▸ Immediately remove all contaminated clothing, including footwear.<br>▸ Flush skin and hair with running water (and soap if available).<br>▸ Seek medical attention in event of irritation. |
| **Inhalation** | ▸ If fumes, aerosols or combustion products are inhaled remove from contaminated area.<br>▸ Other measures are usually unnecessary. |
| **Ingestion** | ▸ Immediately give a glass of water.<br>▸ 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

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

### 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** | ▸ Non combustible. |

## 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** | ▸ Clean up all spills immediately.<br>Contain spill with sawdust or sand then place in suitable container for disposal. Clean area with large quantity of water to complete clean- up. |

**Continued...**

| | |
|---|---|
| **Major Spills** | Moderate hazard.<br>Contain spill with sawdust or sand then place in suitable container for disposal. Clean area with large quantity of water to complete clean- up. |

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.<br>▸ **DO NOT** allow clothing wet with material to stay in contact with skin |
| **Other information** | |

### Conditions for safe storage, including any incompatibilities

| | |
|---|---|
| **Suitable container** | As supplied by manufacturer. |
| **Storage incompatibility** | None known |

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

**OCCUPATIONAL EXPOSURE LIMITS (OEL)**

**INGREDIENT DATA**

| Source | Ingredient | Material name | TWA | STEL | Peak | Notes |
|---|---|---|---|---|---|---|
| New Zealand Workplace Exposure Standards (WES) | diuron | Diuron | 10 mg/m3 | Not Available | Not Available | Not Available |

**EMERGENCY LIMITS**

| Ingredient | Material name | TEEL-1 | TEEL-2 | TEEL-3 |
|---|---|---|---|---|
| 3-iodo-2-propynyl butyl carbamate | Butyl-3-iodo-2-propynylcarbamate | 3.3 mg/m3 | 36 mg/m3 | 220 mg/m3 |

| Ingredient | Original IDLH | Revised IDLH |
|---|---|---|
| 3-iodo-2-propynyl butyl carbamate | Not Available | Not Available |
| diuron | Not Available | Not Available |
| benzotriazol derivatives | Not Available | Not Available |

### 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. |
| **Thermal hazards** | Not Available |

### Respiratory protection

**Not usually required. Where the concentration of vapours in the breathing zone approaches or exceeds the "Exposure Standards" respiratory protection is required. Type A Filter of sufficient capacity.**

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

^ - 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

**Continued...**

| | |
|---|---|
| **Appearance** | Red oxide coloured liquid |

| | | | |
|---|---|---|---|
| **Physical state** | Liquid | **Relative density (Water = 1)** | 1.02-1.04 |
| **Odour** | Not Available | **Partition coefficient n-octanol / water** | Not Available |
| **Odour threshold** | Not Available | **Auto-ignition temperature (°C)** | Not Available |
| **pH (as supplied)** | 8-9 | **Decomposition temperature** | Not Available |
| **Melting point / freezing point (°C)** | Not Available | **Viscosity (cSt)** | 20-30 |
| **Initial boiling point and boiling range (°C)** | 100 | **Molecular weight (g/mol)** | Not Available |
| **Flash point (°C)** | Not Available | **Taste** | Not Available |
| **Evaporation rate** | Not Available | **Explosive properties** | Not Available |
| **Flammability** | Not Available | **Oxidising properties** | Not Available |
| **Upper Explosive Limit (%)** | Not Available | **Surface Tension (dyn/cm or mN/m)** | Not Available |
| **Lower Explosive Limit (%)** | Not Available | **Volatile Component (%vol)** | 89 |
| **Vapour pressure (kPa)** | Not Available | **Gas group** | Not Available |
| **Solubility in water (g/L)** | Miscible | **pH as a solution (1%)** | Not Available |
| **Vapour density (Air = 1)** | Not Available | **VOC g/L** | 85 |

## SECTION 10 STABILITY AND REACTIVITY

| | |
|---|---|
| **Reactivity** | See section 7 |
| **Chemical stability** | ▸ Unstable in the presence of incompatible materials. |
| **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** | Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions.<br>Toxic effects may result from skin absorption |
| **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** | Chronic effects of exposure to diuron may initially include skin irritation,weakness or shortness of breath. |

**RESENE WOODSMAN DECKING STAIN**

| TOXICITY | IRRITATION |
|---|---|
| Not Available | Not Available |

**3-iodo-2-propynyl butyl carbamate**

| TOXICITY | IRRITATION |
|---|---|
| dermal (rat) LD50: >2000 mg/kg[2] | Eye: Irritating |
| Inhalation (rat) LC50: 0.680 mg/l/4h*g[2] | Skin: Slight irritant |
| Oral (rat) LD50: 1056 mg/kg[2] | |

**diuron**

| TOXICITY | IRRITATION |
|---|---|
| dermal (rat) LD50: >5000 mg/kg[2] | Not Available |
| Oral (rat) LD50: 1017 mg/kg[2] | |

| | |
|---|---|
| ***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* |

| | |
|---|---|
| **3-IODO-2-PROPYNYL BUTYL CARBAMATE** | for 3-iodo-2-propynyl butyl carbamate (IPBC):<br>**Acute toxicity:** Acceptable acute toxicity studies with IPBC indicate low toxicity except eye irritation. |

**Continued...**

| | |
|---|---|
| **DIURON** | No significant acute toxicological data identified in literature search.<br>Diuron is absorbed readily through the gut and lungs while uptake through the skin is more limited.<br>Note: Equivocal animal tumorigenic agent by RTECS criteria. NOTE: This substance may contain impurities (tetrachlorazobenzene and tetrachloroazoxybenzene). Maximum impurity levels are proscribed under various jurisdictions ADI: 0.006 mg/kg/day NOEL: 0.625 mg/kg/day |

| | | | |
|---|---|---|---|
| **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 available but does not fill the criteria for classification*
✔ *– Data available to make classification*
⊘ *– Data Not Available to make classification*

## SECTION 12 ECOLOGICAL INFORMATION

### Toxicity

**RESENE WOODSMAN DECKING STAIN**

| ENDPOINT | TEST DURATION (HR) | SPECIES | VALUE | SOURCE |
|---|---|---|---|---|
| Not Available | Not Available | Not Available | Not Available | Not Available |

**3-iodo-2-propynyl butyl carbamate**

| ENDPOINT | TEST DURATION (HR) | SPECIES | VALUE | SOURCE |
|---|---|---|---|---|
| LC50 | 96 | Fish | 0.067mg/L | 4 |
| EC50 | 48 | Crustacea | 0.04mg/L | 5 |
| NOEC | 48 | Crustacea | <0.01mg/L | 4 |

**diuron**

| ENDPOINT | TEST DURATION (HR) | SPECIES | VALUE | SOURCE |
|---|---|---|---|---|
| LC50 | 96 | Fish | 0.5mg/L | 4 |
| EC50 | 48 | Crustacea | 1.4mg/L | 1 |
| EC50 | 72 | Algae or other aquatic plants | 0.00055mg/L | 4 |
| BCF | 792 | Algae or other aquatic plants | 0.159mg/L | 4 |
| NOEC | 336 | Algae or other aquatic plants | 0.0000005mg/L | 4 |

| | |
|---|---|
| ***Legend:*** | *Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (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* |

May cause long-term adverse effects in the aquatic environment.
Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark.

### Persistence and degradability

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

### Bioaccumulative potential

| Ingredient | Bioaccumulation |
|---|---|
| 3-iodo-2-propynyl butyl carbamate | LOW (LogKOW = 2.4542) |
| diuron | LOW (BCF = 14) |

### Mobility in soil

| Ingredient | Mobility |
|---|---|
| 3-iodo-2-propynyl butyl carbamate | LOW (KOC = 365.3) |
| diuron | LOW (KOC = 136) |

## SECTION 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Product / Packaging disposal**

- Containers may still present a chemical hazard/ danger when empty.

Legislation addressing waste disposal requirements may differ by country, state and/ or territory.

- **DO NOT** allow wash water from cleaning or process equipment to enter drains.

**Continued...**

| | |
|---|---|
| | ▸ Recycle wherever possible.<br>Consult manufacturer for recycling option.<br>Resene Paintwise accepts residual unwanted paint and packaging. See Resene website for Paintwise information. |

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

## SECTION 14 TRANSPORT INFORMATION

### Labels Required

| | |
|---|---|
| **Marine Pollutant** | NO |
| **HAZCHEM** | Not Applicable |

### 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

| HSR Number | Group Standard |
|---|---|
| HSR002670 | Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2006 |

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

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals

New Zealand Inventory of Chemicals (NZIoC)

**DIURON(330-54-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals

New Zealand Workplace Exposure Standards (WES)

New Zealand Inventory of Chemicals (NZIoC)

### Location Test Certificate

Subject to Regulation 55 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations, a location test certificate is required when quantity greater than or equal to those indicated below are present.

| Hazard Class | Quantity beyond which controls apply for closed containers | Quantity beyond which controls apply when use occurring in open containers |
|---|---|---|
| Not Applicable | Not Applicable | Not Applicable |

### Approved Handler

Subject to Regulation 56 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations and Regulation 9 of the Hazardous Substances (Classes 6, 8, and 9 Controls) Regulations, the substance must be under the personal control of an Approved Handler when present in a quantity greater than or equal to those indicated below.

| Class of substance | Quantities |
|---|---|
| Not Applicable | Not Applicable |

Refer Group Standards for further information

### Tracking Requirements

Not Applicable

| National Inventory | Status |
|---|---|
| Australia - AICS | Y |
| New Zealand - NZIoC | Y |
| ***Legend:*** | *Y = All ingredients are on the inventory*<br>*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

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.

Powered by AuthorITe, from Chemwatch.

**end of SDS**