

# RESENE LIMELOCK

## Resene Paints Ltd

Version No: 1.1  
Safety Data Sheet according to HSNO Regulations

Chemwatch Hazard Alert Code: 0

Issue Date: 02/09/2020  
Print Date: 02/09/2020  
S.GHS.NZL.EN

### SECTION 1 Identification of the substance / mixture and of the company / undertaking

#### Product Identifier

|                               |                 |
|-------------------------------|-----------------|
| Product name                  | RESENE LIMELOCK |
| Synonyms                      | Not Available   |
| Other means of identification | Not Available   |

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

|                          |       |
|--------------------------|-------|
| Relevant identified uses | 10695 |
|--------------------------|-------|

#### Details of the supplier of the safety data sheet

|                         |  |
|-------------------------|--|
| Registered company name | Resene Paints Ltd                                      |
| Address                 | 32-50 Vogel Street Wellington New Zealand              |
| Telephone               | +64 4 577 0500   |
| Fax                     | +64 4 5773327  |
| Website                 | <a href="http://www.resene.co.nz">www.resene.co.nz</a> |
| Email                   | advice@resene.co.nz                                    |

#### Emergency telephone number

|                                   |                          |                              |
|-----------------------------------|--------------------------|------------------------------|
| Association / Organisation        | NZ POISONS (24hr 7 days) | CHEMWATCH EMERGENCY RESPONSE |
| Emergency telephone numbers       | 0800 764766              | +61 2 9186 1132              |
| Other emergency telephone numbers | Not Available            | +64 800 700 112              |

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

**Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Not regulated for transport of Dangerous Goods.**

|   |  |
|---|--|
| Classification [1]                              | Acute Aquatic Hazard Category 3  |
| Legend:   | 1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI |
| Determined by Chemwatch using GHS/HSNO criteria | 9.1D   |

#### Label elements

|                     |                |
|---------------------|----------------|
| Hazard pictogram(s) | Not Applicable |
| Signal word         | Not Applicable |

#### Hazard statement(s)

|      |                          |
|------|--------------------------|
| H402 | Harmful to aquatic life. |
|------|--------------------------|

#### Precautionary statement(s) Prevention

|      |                                   |
|------|-----------------------------------|
| P273 | Avoid release to the environment. |
|------|-----------------------------------|

#### Precautionary statement(s) Response

Not Applicable

#### Precautionary statement(s) Storage

Not Applicable

#### Precautionary statement(s) Disposal

|      |  |
|------|--|
| P501 | Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation. |
|------|--|

## RESENE LIMELOCK

**SECTION 3 Composition / information on ingredients****Substances**

See section below for composition of Mixtures

**Mixtures**

| CAS No     | %[weight] | Name                                  |
|------------|-----------|---------------------------------------|
| 84133-50-6 | 0.1-1     | alcohols C12-14 secondary ethoxylated |

**SECTION 4 First aid measures****Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | <p>If this product comes in contact with eyes:</p> <ul style="list-style-type: none"> <li>▶ Wash out immediately with water.</li> <li>▶ If irritation continues, seek medical attention.</li> <li>▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul> |
| <b>Skin Contact</b> | <p>If skin or hair contact occurs:</p> <ul style="list-style-type: none"> <li>▶ Flush skin and hair with running water (and soap if available).</li> <li>▶ Seek medical attention in event of irritation.</li> </ul>   |
| <b>Inhalation</b>   | <ul style="list-style-type: none"> <li>▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>▶ Other measures are usually unnecessary.</li> </ul>  |
| <b>Ingestion</b>    | <ul style="list-style-type: none"> <li>▶ Immediately give a glass of water.</li> <li>▶ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>  |

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5 Firefighting measures****Extinguishing media**

- ▶ Water spray or fog.

**Special hazards arising from the substrate or mixture**

|                             |   |
|-----------------------------|---|
| <b>Fire Incompatibility</b> | ▶ Avoid contamination with oxidising agents |
|-----------------------------|---|

**Advice for firefighters**

|                              |  |
|------------------------------|--|
| <b>Fire Fighting</b>         | ▶ Alert Fire Brigade and tell them location and nature of hazard.  |
| <b>Fire/Explosion Hazard</b> | <ul style="list-style-type: none"> <li>▶ Non combustible.</li> </ul> <p>Burning release:<br/>carbon dioxide (CO<sub>2</sub>)<br/>other pyrolysis products typical of burning organic material.</p> |

**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**

|                     |  |
|---------------------|--|
| <b>Minor Spills</b> | Control personal contact with the substance, by using personal protective equipment. Contain spill with sawdust, sand, earth, inert material or vermiculite then place in suitable, labelled container for waste disposal. Wipe up. Clean area with large quantity of water to complete clean- up.   |
| <b>Major Spills</b> | Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear appropriate personnel protective equipment and clothing to prevent exposure. Avoid breathing in mists or vapours and skin or eyes contact. Prevent, by any means available, spillage from entering drains or water course. Stop leak if safe to do so. Contain spill with sawdust, sand, earth, inert material or vermiculite then place in suitable, labelled container for waste disposal. Wipe up. Wash area and prevent runoff into drains. If contamination of drains or waterways occurs, advise emergency services. |

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

**SECTION 7 Handling and storage****Precautions for safe handling**

|                          |   |
|--------------------------|---|
| <b>Safe handling</b>     | ▶ Avoid unnecessary personal contact, including inhalation. |
| <b>Other information</b> | ▶ Store in original containers.                             |

**Conditions for safe storage, including any incompatibilities**

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|                                |   |
|--------------------------------|---|
| <b>Suitable container</b>      | ▶ Packaging as recommended by manufacturer. |
| <b>Storage incompatibility</b> | ▶ Avoid reaction with oxidising agents      |

## SECTION 8 Exposure controls / personal protection

## Control parameters

## Occupational Exposure Limits (OEL)

## INGREDIENT DATA


Not Available

## Emergency Limits

| Ingredient      | Material name | TEEL-1        | TEEL-2        | TEEL-3        |
|-----------------|---------------|---------------|---------------|---------------|
| RESENE LIMELOCK | Not Available | Not Available | Not Available | Not Available |

| Ingredient                            | Original IDLH | Revised IDLH  |
|---------------------------------------|---------------|---------------|
| alcohols C12-14 secondary ethoxylated | Not Available | Not Available |

## Exposure controls

|   |  |
|---|--|
| <b>Appropriate engineering controls</b> | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.   |
| <b>Personal protection</b>              |   |
| <b>Eye and face protection</b>          | <ul style="list-style-type: none"> <li>▶ Safety glasses with side shields</li> <li>▶ Chemical goggles.</li> </ul>  |
| <b>Skin protection</b>                  | See Hand protection below  |
| <b>Hands/feet protection</b>            | <p>Wear general protective gloves, eg. light weight rubber gloves.<br/>The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer.</p> <ul style="list-style-type: none"> <li>▶ Butyl rubber gloves</li> <li>-Nitrile rubber gloves (Note: Nitric acid penetrates nitrile gloves in a few minutes.)</li> </ul> |
| <b>Body protection</b>                  | See Other protection below   |
| <b>Other protection</b>                 | No special equipment needed when handling small quantities.  |

## Recommended material(s)

## GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

**"Forsberg Clothing Performance Index"**.The effect(s) of the following substance(s) are taken into account in the **computer-generated** selection:

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| Material   | CPI |
|------------|-----|
| PE/EVAL/PE | A   |

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

**NOTE:** As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

## Respiratory protection

No special measures required.

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       | -                    |
| up to 50                           | 1000   | -                    | A-AUS / Class 1      |
| up to 50                           | 5000   | Airline *            | -                    |
| up to 100                          | 5000   | -                    | A-2                  |
| up to 100                          | 10000  | -                    | A-3                  |
| 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(SO<sub>2</sub>), G = Agricultural chemicals, K = Ammonia(NH<sub>3</sub>), 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

|                        |  |  |               |
|------------------------|--|--|---------------|
| <b>Appearance</b>      | White liquid with characteristic odour |  |               |
| <b>Physical state</b>  | Liquid                                 | <b>Relative density (Water = 1)</b>            | 1.09-1.12     |
| <b>Odour</b>           | Not Available                          | <b>Partition coefficient n-octanol / water</b> | Not Available |
| <b>Odour threshold</b> | Not Available                          | <b>Auto-ignition temperature (°C)</b>          | Not Available |

Continued...

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|  |               |                                  |               |
|--|---------------|----------------------------------|---------------|
| pH (as supplied)                             | 8-9           | Decomposition temperature        | Not Available |
| Melting point / freezing point (°C)          | Not Available | Viscosity (cSt)                  | 550-700       |
| 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)        | 62            |
| Vapour pressure (kPa)                        | Not Available | Gas group                        | Not Available |
| Solubility in water                          | Miscible      | pH as a solution (1%)            | Not Available |
| Vapour density (Air = 1)                     | Not Available | VOC g/L                          | 65            |

## 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      | 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 <b>NOT</b> been classified by EC Directives or other classification systems as "harmful by ingestion".  |
| Skin Contact | The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models).   |
| 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      | Long-term exposure to the product is not thought to produce chronic effects adverse to the health (as classified by EC Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course. |

|                                       |   |               |
|---------------------------------------|---|---------------|
| RESENE LIMELOCK                       | TOXICITY  | IRRITATION    |
|                                       | Not Available   | Not Available |
| alcohols C12-14 secondary ethoxylated | TOXICITY  | IRRITATION    |
|                                       | Not Available   | Not Available |
| 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 |               |

|                                       |   |
|---------------------------------------|---|
| RESENE LIMELOCK                       | Diuron is absorbed readily through the gut and lungs, while uptake through the skin is more limited.  |
| ALCOHOLS C12-14 SECONDARY ETHOXYLATED | No significant acute toxicological data identified in literature search.<br>Polyethers (such as ethoxylated surfactants and polyethylene glycols) are highly susceptible to being oxidized in the air.<br>Humans have regular contact with alcohol ethoxylates through a variety of industrial and consumer products such as soaps, detergents and other cleaning products.<br>Both laboratory and animal testing has shown that there is no evidence for alcohol ethoxylates (AEs) causing genetic damage, mutations or cancer.<br>Tri-ethylene glycol ethers undergo enzymatic oxidation to toxic alkoxy acids. |

|                                   |   |                          |   |
|-----------------------------------|---|--------------------------|---|
| 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 either not available or does not fill the criteria for classification  
 ✓ – Data available to make classification

## SECTION 12 Ecological information

## RESENE LIMELOCK

## Toxicity

| RESENE LIMELOCK                       | Endpoint  | Test Duration (hr) | Species       | Value         | Source        |
|---------------------------------------|---|--------------------|---------------|---------------|---------------|
|                                       | Not Available   | Not Available      | Not Available | Not Available | Not Available |
| alcohols C12-14 secondary ethoxylated | Endpoint  | Test Duration (hr) | Species       | Value         | Source        |
|                                       | Not Available   | Not Available      | Not Available | Not Available | Not Available |
| <b>Legend:</b>                        | 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 |                    |               |               |               |

Harmful to aquatic organisms.

## Persistence and degradability

| Ingredient | Persistence: Water/Soil               | Persistence: Air                      |
|------------|---------------------------------------|---------------------------------------|
|            | No Data available for all ingredients | No Data available for all ingredients |

## Bioaccumulative potential

| Ingredient | Bioaccumulation                       |
|------------|---------------------------------------|
|            | No Data available for all ingredients |

## Mobility in soil

| Ingredient | Mobility                              |
|------------|---------------------------------------|
|            | No Data available for all ingredients |

## SECTION 13 Disposal considerations

## Waste treatment methods

|                                     |   |
|-------------------------------------|---|
| <b>Product / Packaging disposal</b> | <p>Legislation addressing waste disposal requirements may differ by country, state and/ or territory.</p> <ul style="list-style-type: none"> <li>▶ <b>DO NOT allow wash water from cleaning or process equipment to enter drains.</b></li> <li>▶ Recycle wherever possible or consult manufacturer for recycling options.</li> <li>▶ Consult manufacturer for recycling option.</li> </ul> <p>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.</p> |
|-------------------------------------|---|

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 be only disposed if the hazardous substance was appropriately removed and cleaned out from the package.

## SECTION 14 Transport information

## Labels Required

|                         |                |
|-------------------------|----------------|
| <b>Marine Pollutant</b> | NO             |
| <b>HAZCHEM</b>          | 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 2017 |

alcohols C12-14 secondary ethoxylated is found on the following regulatory lists

New Zealand Approved Hazardous Substances with controls

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

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

New Zealand Inventory of Chemicals (NZIoC)

Continued...

## RESENE LIMELOCK

**Hazardous Substance Location**

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

| Hazard Class   | Quantity (Closed Containers) | Quantity (Open Containers) |
|----------------|------------------------------|----------------------------|
| Not Applicable | Not Applicable               | Not Applicable             |

**Certified Handler**

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

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

Refer Group Standards for further information

**Tracking Requirements**

Not Applicable

**National Inventory Status**

| National Inventory            | Status   |
|-------------------------------|--|
| Australia - AIIC              | Yes  |
| Australia Non-Industrial Use  | No (alcohols C12-14 secondary ethoxylated)   |
| Canada - DSL                  |  |
| Canada - NDSL                 |  |
| China - IECSC                 |  |
| Europe - EINEC / ELINCS / NLP |  |
| Japan - ENCS                  |  |
| Korea - KECI                  |  |
| New Zealand - NZIoC           | Yes  |
| Philippines - PICCS           |  |
| USA - TSCA                    |  |
| Taiwan - TCSI                 |  |
| Mexico - INSQ                 |  |
| Vietnam - NCI                 |  |
| Russia - ARIPS                |  |
| <b>Legend:</b>                | Yes = All CAS declared ingredients are on the inventory<br>No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) |

**SECTION 16 Other information**

|                      |            |
|----------------------|------------|
| <b>Revision Date</b> | 02/09/2020 |
| <b>Initial Date</b>  | 26/02/2016 |

**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.

**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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