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

Product Identifier

Product name | RESENE WATERBORNE URACRYL 802 BASE
Synonyms | Incl. White Mid, Ultra Deep, MIOX bases
Other means of identification | Not Available

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

Relevant identified uses | 9754, 10000, 10084, 10214

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 | +61 2 9186 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 [1] | Skin Sensitizer Category 1, Acute Aquatic Hazard Category 3
Determined by Chemwatch using GHS/HSNO criteria | 6.5B (contact), 9.1D

Label elements

Hazard pictogram(s) | ⚠

SIGNAL WORD | WARNING

Hazard statement(s)

H317 | May cause an allergic skin reaction.
H402 | Harmful to aquatic life.

Precautionary statement(s) Prevention

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

Precautionary statement(s) Response
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>Not Available</td>
<td>&lt;0.5</td>
<td>benzotriazol derivatives</td>
</tr>
<tr>
<td>84133-50-6</td>
<td>&lt;0.5</td>
<td>alcohols C12-14 secondary ethoxylated</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
- 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.
- Contain spill with sawdust or sand then place in suitable container for disposal. Clean area with large quantity of water to complete clean-up.

Major Spills
- Moderate hazard.
- 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

Continued...
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 |

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
- EMERGENCY LIMITS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Original IDLH</th>
<th>Revised IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESENE WATERBORNE URACRYL 802 BASE</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>benzotriazol derivatives</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>alcohols C12-14 secondary ethoxylated</td>
<td>Not Available</td>
<td>Not Available</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.

Respiratory protection

Respiratory protection required in insufficiently ventilated working areas and during spraying. An approved respirator with a replaceable vapour/ mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to AS/NZS 1715 Standard, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716 Standard, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

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>This product is a mixture</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>7.5-8.5</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>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td>Not Available</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 Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative density (Water = 1)</td>
<td>1.35-1.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition coefficient n-octanol / water</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto-ignition temperature (°C)</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity (cSt)</td>
<td>800-1000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Molecular weight (g/mol)</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Taste</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### SECTION 10 STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>See section 7</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>stable.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>See section 7</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>See section 7</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>See section 7</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>See section 5</td>
</tr>
</tbody>
</table>

### 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 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**
  - 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 WATERBORNE URACRYL 802 BASE

<table>
<thead>
<tr>
<th>Property</th>
<th>Toxicity</th>
<th>Irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>alcohols C12-14 secondary ethoxylated</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

#### ALCHEOLS C12-14 SECONDARY ETHOXYLATED

No significant acute toxicological data identified in literature search. Polyethers, for example, ethoxylated surfactants and polyethylene glycols, are highly susceptible towards air oxidation as the ether oxygens will stabilize intermediary radicals involved. Human beings have regular contact with alcohol ethoxylates through a variety of industrial and consumer products such as soaps, detergents, and other cleaning products.

Alcohol ethoxylates are according to CESIO (2000) classified as Irritant or Harmful depending on the number of EO-units:

- EO < 5 gives Irritant (Xi) with R38 (Irritating to skin) and R41 (Risk of serious damage to eyes)
- EO > 5-15 gives Harmful (Xn) with R22 (Harmful if swallowed) - R38/41
- EO > 15-20 gives Harmful (Xn) with R22-41
- >20 EO is not classified (CESIO 2000)

Oxo-0E, C13 EO10 and C13 EO15, are Irritating (Xi) with R36/38 (Irritating to eyes and skin). For high boiling ethylene glycol esters (typically triethylene- and tetraethylene glycol ethers):

Skin absorption: Available skin absorption data for triethylene glycol ether (TGBE), triethylene glycol methyl ether (TGME), and triethylene glycol ethylene ether (TGEE) suggest that the rate of absorption in skin of these three glycol ethers is 22 to 34 micrograms/cm²/hr, with the methyl ether having the highest permeation constant and the butyl ether having the lowest.

#### RESENE WATERBORNE URACRYL 802 BASE

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

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SECTION 12 ECOLOGICAL INFORMATION

Toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Endpoint</th>
<th>Test Duration (HR)</th>
<th>Species</th>
<th>Value</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESENE WATERBORNE URACRYL 802 BASE</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>alcohols C12-14 secondary ethoxylated</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

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

Harmful to aquatic organisms.

Persistence and degradability

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Persistence: Water/Soil</th>
<th>Persistence: Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Data available for all ingredients</td>
<td>No Data available for all ingredients</td>
<td></td>
</tr>
</tbody>
</table>

Bioaccumulative potential

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Bioaccumulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Data available for all ingredients</td>
<td></td>
</tr>
</tbody>
</table>

Mobility in soil

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Mobility</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Data available for all ingredients</td>
<td></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.
- DO NOT allow wash water from cleaning or process equipment to enter drains.
- Recycle wherever possible.
- 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 be only 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 Colourants (Subsidiary Hazard) Group Standard 2017</td>
</tr>
</tbody>
</table>
ALCOHOLS C12-14 SECONDARY ETHOXYLATED(84133-50-6) 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)

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>

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>Y</td>
</tr>
<tr>
<td>Canada - DSL</td>
<td>Y</td>
</tr>
<tr>
<td>Canada - NDSL</td>
<td>N (alcohols C12-14 secondary ethoxylated)</td>
</tr>
<tr>
<td>China - IECSC</td>
<td>Y</td>
</tr>
<tr>
<td>Europe - EINEC / ELINCS / NLP</td>
<td>N (alcohols C12-14 secondary ethoxylated)</td>
</tr>
<tr>
<td>Japan - ENCS</td>
<td>N (alcohols C12-14 secondary ethoxylated)</td>
</tr>
<tr>
<td>Korea - KECI</td>
<td>Y</td>
</tr>
<tr>
<td>New Zealand - NZIoC</td>
<td>Y</td>
</tr>
<tr>
<td>Philippines - PICCS</td>
<td>Y</td>
</tr>
<tr>
<td>USA - TSCA</td>
<td>Y</td>
</tr>
</tbody>
</table>

Legend:  
Y = All 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

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>24/09/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Date</td>
<td>24/09/2018</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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