

# RESENE DECORATOR ALKYD UNDERCOAT

## RESENE PAINTS AUSTRALIA

Version No: 2.4  
Safety Data Sheet according to WHS and ADG requirements

Issue Date: **22/12/2017**  
Print Date: **22/12/2017**  
L.GHS.AUS.EN

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

#### Product Identifier

|                               |  |
|-------------------------------|--|
| Product name                  | RESENE DECORATOR ALKYD UNDERCOAT   |
| Synonyms                      | Not Available  |
| Proper shipping name          | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) |
| Other means of identification | Not Available  |

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

|                          |      |
|--------------------------|------|
| Relevant identified uses | 9851 |
|--------------------------|------|

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

|                         |   |
|-------------------------|---|
| Registered company name | RESENE PAINTS AUSTRALIA                         |
| Address                 | 7 Production Ave, Molendinar QLD 4214 Australia |
| Telephone               | +61 7 55126600                                  |
| Fax                     | +61 7 55126697                                  |
| Website                 | Not Available                                   |
| Email                   | Not Available                                   |

#### Emergency telephone number

|                                   |               |
|-----------------------------------|---------------|
| Association / Organisation        | Not Available |
| Emergency telephone numbers       | 131126        |
| Other emergency telephone numbers | Not Available |

#### CHEMWATCH EMERGENCY RESPONSE

| Primary Number | Alternative Number 1 | Alternative Number 2 |
|----------------|----------------------|----------------------|
| 1800 039 008   | 1800 039 008         | +612 9186 1132       |

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

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

|                    |  |
|--------------------|--|
| Poisons Schedule   | Not Applicable   |
| Classification [1] | Specific target organ toxicity - repeated exposure Category 2, Acute Aquatic Hazard Category 3, Chronic Aquatic Hazard Category 3, Flammable Liquid Category 3, Eye Irritation Category 2A |
| Legend:            | 1. Classified by Chemwatch; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI   |

#### Label elements

|                     |   |
|---------------------|---|
| Hazard pictogram(s) |  |
|---------------------|---|

SIGNAL WORD **WARNING**

#### Hazard statement(s)

|        |  |
|--------|--|
| H373   | May cause damage to organs through prolonged or repeated exposure. |
| H412   | Harmful to aquatic life with long lasting effects.                 |
| AUH066 | Repeated exposure may cause skin dryness and cracking.             |
| H226   | Flammable liquid and vapour.                                       |

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## RESENE DECORATOR ALKYD UNDERCOAT

|             |                                |
|-------------|--------------------------------|
| <b>H319</b> | Causes serious eye irritation. |
|-------------|--------------------------------|

**Supplementary statement(s)**

Not Applicable

**Precautionary statement(s) Prevention**

|             |  |
|-------------|--|
| <b>P210</b> | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. |
|-------------|--|

**Precautionary statement(s) Response**

|                  |  |
|------------------|--|
| <b>P370+P378</b> | In case of fire: Use alcohol resistant foam or normal protein foam for extinction. |
|------------------|--|

**Precautionary statement(s) Storage**

|                  |  |
|------------------|--|
| <b>P403+P235</b> | Store in a well-ventilated place. Keep cool. |
|------------------|--|

**Precautionary statement(s) Disposal**

|             |   |
|-------------|---|
| <b>P501</b> | Dispose of contents/container in accordance with local regulations. |
|-------------|---|

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS****Substances**

See section below for composition of Mixtures

**Mixtures**

| CAS No      | %[weight] | Name  |
|-------------|-----------|---|
| 96-29-7     | 0.1-1     | <u>methyl ethyl ketoxime</u>                        |
| 64742-82-1. | 10-20     | <u>naphtha petroleum, heavy, hydrodesulfurised</u>  |
| 64742-88-7  | 10-20     | <u>solvent naphtha petroleum, medium aliphatic.</u> |
| 111-76-2    | 1-10      | <u>ethylene glycol monobutyl ether</u>              |
| 64742-95-6  | 1-5       | <u>naphtha petroleum, light aromatic solvent</u>    |
| 95-63-6     | 0.1-1     | <u>1,2,4-trimethyl benzene</u>                      |

**SECTION 4 FIRST AID MEASURES****Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | <p>If this product comes in contact with the eyes:</p> <ul style="list-style-type: none"> <li>▶ Wash out immediately with fresh running water.</li> <li>▶ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>▶ Seek medical attention if pain persists or recurs.</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 contact occurs:</p> <ul style="list-style-type: none"> <li>▶ Immediately remove all contaminated clothing, including footwear.</li> <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>▶ <b>If swallowed do NOT induce vomiting.</b></li> <li>▶ If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>▶ Observe the patient carefully.</li> <li>▶ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>▶ Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>▶ Seek medical advice.</li> </ul> |

**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**

|                             |   |
|-----------------------------|---|
| <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. |
|----------------------|---|

## RESENE DECORATOR ALKYD UNDERCOAT

|                              |  |
|------------------------------|--|
| <b>Fire/Explosion Hazard</b> | <ul style="list-style-type: none"> <li>Liquid and vapour are flammable.</li> </ul> Combustion products include:<br>carbon monoxide (CO)<br>carbon dioxide (CO <sub>2</sub> ) |
| <b>HAZCHEM</b>               | *3Y  |

## 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> | <ul style="list-style-type: none"> <li>Remove all ignition sources.</li> </ul> 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.   |
| <b>Major Spills</b> | Remove all ignition sources. Clear area of personnel and move upwind. Wear appropriate personnel protective equipment and clothing to prevent exposure. Avoid breathing in mists or vapours and skin or eyes contact. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to 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. |

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>     | <ul style="list-style-type: none"> <li>Containers, even those that have been emptied, may contain explosive vapours.</li> <li>Electrostatic discharge may be generated during pumping - this may result in fire.</li> </ul> Avoid unnecessary personal contact. <ul style="list-style-type: none"> <li><b>DO NOT allow clothing wet with material to stay in contact with skin</b></li> </ul> |
| <b>Other information</b> | <ul style="list-style-type: none"> <li>Store in original containers in approved flammable liquid storage area.</li> </ul>   |

## Conditions for safe storage, including any incompatibilities

|                                |  |
|--------------------------------|--|
| <b>Suitable container</b>      | <ul style="list-style-type: none"> <li>Packing as supplied by manufacturer.</li> </ul> |
| <b>Storage incompatibility</b> | contact with strong oxidisers  |

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

## Control parameters

## OCCUPATIONAL EXPOSURE LIMITS (OEL)

## INGREDIENT DATA

| Source                       | Ingredient                                   | Material name             | TWA                             | STEL                           | Peak          | Notes         |
|------------------------------|--|---------------------------|---------------------------------|--------------------------------|---------------|---------------|
| Australia Exposure Standards | naphtha petroleum, light, hydrodesulfurised  | White spirits             | 790 mg/m <sup>3</sup>           | Not Available                  | Not Available | Not Available |
| Australia Exposure Standards | naphtha petroleum, heavy, hydrodesulfurised  | White spirits             | 790 mg/m <sup>3</sup>           | Not Available                  | Not Available | Not Available |
| Australia Exposure Standards | solvent naphtha petroleum, medium aliphatic. | Oil mist, refined mineral | 5 mg/m <sup>3</sup>             | Not Available                  | Not Available | Not Available |
| Australia Exposure Standards | ethylene glycol monobutyl ether              | 2-Butoxyethanol           | 96.9 mg/m <sup>3</sup> / 20 ppm | 242 mg/m <sup>3</sup> / 50 ppm | Not Available | Not Available |
| Australia Exposure Standards |  |                           |                                 |                                |               |               |

## EMERGENCY LIMITS

| Ingredient                                  | Material name   | TEEL-1                | TEEL-2                  | TEEL-3                  |
|---|---|-----------------------|-------------------------|-------------------------|
| methyl ethyl ketoxime                       | Butanone oxime; (Ethyl methyl ketoxime)                                   | 30 ppm                | 56 ppm                  | 250 ppm                 |
| naphtha petroleum, heavy, hydrodesulfurised | Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene) | 300 mg/m <sup>3</sup> | 1,800 mg/m <sup>3</sup> | 29500 mg/m <sup>3</sup> |
| ethylene glycol monobutyl ether             | Butoxyethanol, 2-; (Glycol ether EB)                                      | 60 ppm                | 120 ppm                 | 700 ppm                 |
| 1,2,4-trimethyl benzene                     | Permafluor E+   | 140 mg/m <sup>3</sup> | 360 mg/m <sup>3</sup>   | 2,200 mg/m <sup>3</sup> |

| Ingredient                                   | Original IDLH           | Revised IDLH  |
|--|-------------------------|---------------|
| methyl ethyl ketoxime                        | Not Available           | Not Available |
| naphtha petroleum, heavy, hydrodesulfurised  | 20000 mg/m <sup>3</sup> | Not Available |
| solvent naphtha petroleum, medium aliphatic. | 2500 mg/m <sup>3</sup>  | Not Available |


Continued...

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|   |               |               |
|---|---------------|---------------|
| ethylene glycol monobutyl ether           | 700 ppm       | Not Available |
| naphtha petroleum, light aromatic solvent | Not Available | Not Available |
| 1,2,4-trimethyl benzene                   | Not Available | Not Available |

## 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.  |
| Thermal hazards                  | Not Available  |

## Respiratory protection

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 / Class 1      | -                    |
| 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 gases, 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 deg C)

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

|  |                                 |   |               |
|--|---------------------------------|---|---------------|
| Appearance                                   | White liquid with solvent odour |   |               |
| Physical state                               | Liquid                          | Relative density (Water = 1)            | 1.47          |
| Odour  | Not Available                   | Partition coefficient n-octanol / water | Not Available |
| Odour threshold                              | Not Available                   | Auto-ignition temperature (°C)          | Not Available |
| pH (as supplied)                             | Not Available                   | Decomposition temperature               | Not Available |
| Melting point / freezing point (°C)          | Not Available                   | Viscosity (cSt)                         | 370           |
| Initial boiling point and boiling range (°C) | 147                             | Molecular weight (g/mol)                | Not Available |
| Flash point (°C)                             | 36                              | Taste                                   | Not Available |
| Evaporation rate                             | Not Available                   | Explosive properties                    | Not Available |
| Flammability                                 | Flammable.                      | 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)               | 48            |
| Vapour pressure (kPa)                        | Not Available                   | Gas group                               | Not Available |
| Solubility in water (g/L)                    | Immiscible                      | pH as a solution (1%)                   | Not Available |
| Vapour density (Air = 1)                     | Not Available                   | VOC g/L                                 | 385           |

## 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 |

## RESENE DECORATOR ALKYD UNDERCOAT

|                                  |               |
|----------------------------------|---------------|
| Incompatible materials           | See section 7 |
| Hazardous decomposition products | See section 5 |

## SECTION 11 TOXICOLOGICAL INFORMATION

## Information on toxicological effects

|              |  |
|--------------|--|
| Inhaled      | Inhalation of vapours may cause drowsiness and dizziness.<br>Acute effects from inhalation of high concentrations of vapour are pulmonary irritation, including coughing, with nausea; central nervous system depression - characterised by headache and dizziness, increased reaction time, fatigue and loss of co-ordination     |
| Ingestion    | Accidental ingestion of the material may be damaging to the health of the individual.  |
| Skin Contact | Repeated exposure may cause skin cracking, flaking or drying following normal handling and use.<br>Open cuts, abraded or irritated skin should not be exposed to this material<br>Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects. |
| Eye          | Evidence exists, or practical experience predicts, that the material may cause eye irritation in a substantial number of individuals and/or may produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals.   |
| Chronic      | Prolonged or repeated skin contact may cause drying with cracking, irritation and possible dermatitis following.   |

| RESENE DECORATOR ALKYD UNDERCOAT             | TOXICITY  | IRRITATION                        |
|--|---|-----------------------------------|
|  | Not Available   | Not Available                     |
| methyl ethyl ketoxime                        | TOXICITY  | IRRITATION                        |
|  | Dermal (rabbit) LD50: >184<1840 mg/kg <sup>[1]</sup>      | Eye (rabbit): 0.1 ml - SEVERE     |
|  | Inhalation (rat) LC50: 20 mg/l/4h** <sup>[2]</sup>        |                                   |
|  | Oral (rat) LD50: >900 mg/kg <sup>[1]</sup>                |                                   |
| naphtha petroleum, heavy, hydrodesulfurised  | TOXICITY  | IRRITATION                        |
|  | Dermal (rabbit) LD50: >1900 mg/kg <sup>[1]</sup>          | Not Available                     |
|  | Inhalation (rat) LC50: >2796.8052 mg/l/8h <sup>[2]</sup>  |                                   |
|  | Oral (rat) LD50: >4500 mg/kg <sup>[1]</sup>               |                                   |
| solvent naphtha petroleum, medium aliphatic. | TOXICITY  | IRRITATION                        |
|  | dermal (rat) LD50: 28000 mg/kg <sup>[2]</sup>             | Not Available                     |
|  | Oral (rat) LD50: >5000 mg/kg <sup>[1]</sup>               |                                   |
| ethylene glycol monobutyl ether              | TOXICITY  | IRRITATION                        |
|  | dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>             | Eye (rabbit): 100 mg SEVERE       |
|  | Inhalation (rat) LC50: 449.48655 mg/l/4h <sup>[2]</sup>   | Eye (rabbit): 100 mg/24h-moderate |
|  | Oral (rat) LD50: 250 mg/kg <sup>[2]</sup>                 | Skin (rabbit): 500 mg, open; mild |
| naphtha petroleum, light aromatic solvent    | TOXICITY  | IRRITATION                        |
|  | Dermal (rabbit) LD50: >1900 mg/kg <sup>[1]</sup>          | Not Available                     |
|  | Inhalation (rat) LC50: >7331.62506 mg/l/8h <sup>[2]</sup> |                                   |
|  | Oral (rat) LD50: >4500 mg/kg <sup>[1]</sup>               |                                   |
| 1,2,4-trimethyl benzene                      | TOXICITY  | IRRITATION                        |
|  | Inhalation (rat) LC50: 18 mg/l/4hd <sup>[2]</sup>         | Not Available                     |
|  | Oral (rat) LD50: 3280 mg/kg <sup>[1]</sup>                |                                   |

**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

|                       |   |
|-----------------------|---|
| METHYL ETHYL KETOXIME | The following information refers to contact allergens as a group and may not be specific to this product.<br>For methyl ethyl ketoxime (MEKO)<br><b>Carcinogenicity:</b> Increased incidences of liver tumours were observed in rat and mouse lifetime studies and there was also an increased incidence of mammary gland tumours in female rats, however, this was only seen at mid- and/or high concentrations of MEKO.<br>Mammalian lymphocyte mutagen *Huls Canada ** Merck |
|-----------------------|---|

## RESENE DECORATOR ALKYD UNDERCOAT

|  |   |
|--|---|
| NAPHTHA PETROLEUM, HEAVY, HYDRODESULFURISED  | No significant acute toxicological data identified in literature search.  |
| SOLVENT NAPHTHA PETROLEUM, MEDIUM ALIPHATIC. | The substance is classified by IARC as Group 3:<br><b>NOT</b> classifiable as to its carcinogenicity to humans.<br>for full range naphthas  |
| ETHYLENE GLYCOL MONOBUTYL ETHER              | The material may produce severe irritation to the eye causing pronounced inflammation.<br>For ethylene glycol monoalkyl ethers and their acetates (EGMAEs):<br>Typical members of this category are ethylene glycol propylene ether (EGPE), ethylene glycol butyl ether (EGBE) and ethylene glycol hexyl ether (EGHE) and their acetates.<br>Exposure of pregnant rats to ethylene glycol monobutyl ether (2-butoxyethanol) at 100 ppm or rabbits at 200 ppm during organogenesis resulted in maternal toxicity and embryotoxicity including a decreased number of viable implantations per litter.<br>For ethylene glycol:<br>Ethylene glycol is quickly and extensively absorbed through the gastrointestinal tract.<br>NOTE: Changes in kidney, liver, spleen and lungs are observed in animals exposed to high concentrations of this substance by all routes. ** ASCC (NZ) SDS |
| NAPHTHA PETROLEUM, LIGHT AROMATIC SOLVENT    | * [Devoe] .   |
| 1,3,5-TRIMETHYL BENZENE                      | The material may be irritating to the eye, with prolonged contact causing inflammation.<br>Other Toxicity data is available for CHEMWATCH 12171 1,2,4-trimethylbenzene CHEMWATCH 12172 1,2,3-trimethylbenzene   |

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

| methyl ethyl ketoxime | ENDPOINT | TEST DURATION (HR) | SPECIES                       | VALUE    | SOURCE |
|-----------------------|----------|--------------------|-------------------------------|----------|--------|
|                       | LC50     | 96                 | Fish                          | 843mg/L  | 4      |
|                       | EC50     | 48                 | Crustacea                     | >500mg/L | 1      |
|                       | EC50     | 72                 | Algae or other aquatic plants | =83mg/L  | 1      |
|                       | EC100    | 72                 | Algae or other aquatic plants | =121mg/L | 1      |
|                       | NOEC     | 96                 | Fish                          | =320mg/L | 1      |

| naphtha petroleum, heavy, hydrodesulfurised | ENDPOINT      | TEST DURATION (HR) | SPECIES       | VALUE         | SOURCE        |
|---|---------------|--------------------|---------------|---------------|---------------|
|   | Not Available | Not Available      | Not Available | Not Available | Not Available |

| solvent naphtha petroleum, medium aliphatic. | ENDPOINT | TEST DURATION (HR) | SPECIES                       | VALUE    | SOURCE |
|--|----------|--------------------|-------------------------------|----------|--------|
|  | EC50     | 48                 | Crustacea                     | >100mg/L | 1      |
|  | EC50     | 96                 | Algae or other aquatic plants | =450mg/L | 1      |

| ethylene glycol monobutyl ether | ENDPOINT | TEST DURATION (HR) | SPECIES   | VALUE     | SOURCE |
|---------------------------------|----------|--------------------|-----------|-----------|--------|
|                                 | LC50     | 96                 | Fish      | 1250mg/L  | 4      |
|                                 | EC50     | 48                 | Crustacea | >1000mg/L | 4      |
|                                 | NOEC     | 96                 | Crustacea | 1000mg/L  | 4      |

| naphtha petroleum, light aromatic solvent | ENDPOINT | TEST DURATION (HR) | SPECIES                       | VALUE     | SOURCE |
|---|----------|--------------------|-------------------------------|-----------|--------|
|   | EC50     | 48                 | Crustacea                     | =6.14mg/L | 1      |
|   | EC50     | 72                 | Algae or other aquatic plants | 3.29mg/L  | 1      |
|   | EC10     | 72                 | Algae or other aquatic plants | 1.13mg/L  | 1      |
|   | NOEC     | 72                 | Algae or other aquatic plants | =1mg/L    | 1      |

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| 1,2,4-trimethyl benzene | ENDPOINT | TEST DURATION (HR) | SPECIES   | VALUE       | SOURCE |
|-------------------------|----------|--------------------|-----------|-------------|--------|
|                         | LC50     | 96                 | Fish      | 7.72mg/L    | 2      |
|                         | EC50     | 48                 | Crustacea | ca.6.14mg/L | 1      |

**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, 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.  
**DO NOT discharge into sewer or waterways.**

## Persistence and degradability

| Ingredient                      | Persistence: Water/Soil   | Persistence: Air            |
|---------------------------------|---------------------------|-----------------------------|
| methyl ethyl ketoxime           | LOW                       | LOW                         |
| ethylene glycol monobutyl ether | LOW (Half-life = 56 days) | LOW (Half-life = 1.37 days) |
| 1,2,4-trimethyl benzene         | LOW (Half-life = 56 days) | LOW (Half-life = 0.67 days) |

## Bioaccumulative potential

| Ingredient                      | Bioaccumulation  |
|---------------------------------|------------------|
| methyl ethyl ketoxime           | LOW (BCF = 5.8)  |
| ethylene glycol monobutyl ether | LOW (BCF = 2.51) |
| 1,2,4-trimethyl benzene         | LOW (BCF = 275)  |

## Mobility in soil

| Ingredient                      | Mobility          |
|---------------------------------|-------------------|
| methyl ethyl ketoxime           | LOW (KOC = 130.8) |
| ethylene glycol monobutyl ether | HIGH (KOC = 1)    |
| 1,2,4-trimethyl benzene         | LOW (KOC = 717.6) |

## SECTION 13 DISPOSAL CONSIDERATIONS

## Waste treatment methods

| Product / Packaging disposal | Legislation addressing waste disposal requirements may differ by country, state and/ or territory.   |
|------------------------------|--|
|                              | <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.</li> </ul> |

## SECTION 14 TRANSPORT INFORMATION

## Labels Required

|                  |   |
|------------------|---|
|                  |  |
| Marine Pollutant | NO  |
| HAZCHEM          | *3Y   |

## Land transport (ADG)

|                              |  |                    |             |                  |                |
|------------------------------|--|--------------------|-------------|------------------|----------------|
| UN number                    | 1263   |                    |             |                  |                |
| UN proper shipping name      | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) |                    |             |                  |                |
| Transport hazard class(es)   | <table border="1"> <tr> <td>Class</td> <td>3</td> </tr> <tr> <td>Subrisk</td> <td>Not Applicable</td> </tr> </table>   | Class              | 3           | Subrisk          | Not Applicable |
| Class                        | 3  |                    |             |                  |                |
| Subrisk                      | Not Applicable   |                    |             |                  |                |
| Packing group                | III  |                    |             |                  |                |
| Environmental hazard         | Not Applicable   |                    |             |                  |                |
| Special precautions for user | <table border="1"> <tr> <td>Special provisions</td> <td>163 223 367</td> </tr> <tr> <td>Limited quantity</td> <td>5 L</td> </tr> </table>  | Special provisions | 163 223 367 | Limited quantity | 5 L            |
| Special provisions           | 163 223 367  |                    |             |                  |                |
| Limited quantity             | 5 L  |                    |             |                  |                |

## Air transport (ICAO-IATA / DGR)

## RESENE DECORATOR ALKYD UNDERCOAT

|                                     |   |                |
|-------------------------------------|---|----------------|
| <b>UN number</b>                    | 1263  |                |
| <b>UN proper shipping name</b>      | Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base); Paint related material (including paint thinning or reducing compounds) |                |
| <b>Transport hazard class(es)</b>   | ICAO/IATA Class   | 3              |
|                                     | ICAO / IATA Subrisk   | Not Applicable |
|                                     | ERG Code  | 3L             |
| <b>Packing group</b>                | III   |                |
| <b>Environmental hazard</b>         | Not Applicable  |                |
| <b>Special precautions for user</b> | Special provisions  | A3 A72 A192    |
|                                     | Cargo Only Packing Instructions   | 366            |
|                                     | Cargo Only Maximum Qty / Pack   | 220 L          |
|                                     | Passenger and Cargo Packing Instructions  | 355            |
|                                     | Passenger and Cargo Maximum Qty / Pack  | 60 L           |
|                                     | Passenger and Cargo Limited Quantity Packing Instructions   | Y344           |
|                                     | Passenger and Cargo Limited Maximum Qty / Pack  | 10 L           |

## Sea transport (IMDG-Code / GGVSee)

|                                     |  |                 |
|-------------------------------------|--|-----------------|
| <b>UN number</b>                    | 1263   |                 |
| <b>UN proper shipping name</b>      | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) |                 |
| <b>Transport hazard class(es)</b>   | IMDG Class   | 3               |
|                                     | IMDG Subrisk   | Not Applicable  |
| <b>Packing group</b>                | III  |                 |
| <b>Environmental hazard</b>         | Not Applicable   |                 |
| <b>Special precautions for user</b> | EMS Number   | F-E , S-E       |
|                                     | Special provisions   | 163 223 367 955 |
|                                     | Limited Quantities   | 5 L             |

## 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

## METHYL ETHYL KETOXIME(96-29-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists

Australia Inventory of Chemical Substances (AICS)

## NAPHTHA PETROLEUM, HEAVY, HYDRODESULFURISED(64742-82-1.) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards

Australia Inventory of Chemical Substances (AICS)

Australia Hazardous Substances Information System - Consolidated Lists

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

## SOLVENT NAPHTHA PETROLEUM, MEDIUM ALIPHATIC.(64742-88-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards

Australia Inventory of Chemical Substances (AICS)

Australia Hazardous Substances Information System - Consolidated Lists

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

## ETHYLENE GLYCOL MONOBUTYL ETHER(111-76-2) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards

Australia Inventory of Chemical Substances (AICS)

Australia Hazardous Substances Information System - Consolidated Lists

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

## NAPHTHA PETROLEUM, LIGHT AROMATIC SOLVENT(64742-95-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists

Australia Inventory of Chemical Substances (AICS)

## 1,2,4-TRIMETHYL BENZENE(95-63-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists

Australia Inventory of Chemical Substances (AICS)

|                           |               |
|---------------------------|---------------|
| <b>National Inventory</b> | <b>Status</b> |
|---------------------------|---------------|

Continued...



## RESENE DECORATOR ALKYD UNDERCOAT

|                     |   |
|---------------------|---|
| Australia - AICS    | Y   |
| New Zealand - NZIoC | Y   |
| <b>Legend:</b>      | 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****Ingredients with multiple cas numbers**

| Name  | CAS No                                |
|---|---------------------------------------|
| naphtha petroleum, heavy, hydrodesulfurised | 64742-82-1., 8052-41-3., 1174921-79-9 |
| naphtha petroleum, light aromatic solvent   | 64742-95-6, 25550-14-5                |

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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