# Resene XC700

**RESENE PAINTS LTD**

Chemwatch Hazard Alert Code: **2**

Chemwatch: **9-56428**
Version No: **1.4**
Safety Data Sheet according to HSNO Regulations

Issue Date: **07/05/2014**
Print Date: **07/05/2014**
Initial Date: **Not Available**
S.GHS.NZL.EN

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

### Product Identifier

| | |
|---|---|
| **Product name** | Resene XC700 |
| **Chemical Name** | Not Applicable |
| **Synonyms** | 9262 |
| **Proper shipping name** | Not Applicable |
| **Chemical formula** | Not Applicable |
| **Other means of identification** | Not Available |
| **CAS number** | Not Applicable |

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

| | |
|---|---|
| **Relevant identified uses** | Use according to manufacturer's directions. |

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

| | | | |
|---|---|---|---|
| **Registered company name** | RESENE PAINTS LTD | | |
| **Address** | 32-50 Vogel Street, Lower Hutt, Wellington New Zealand | | |
| **Telephone** | +64 4 5770500 | | |
| **Fax** | +64 4 5773327 | | |
| **Website** | www.resene.co.nz | | |
| **Email** | advice@resene.co.nz | | |

### Emergency telephone number

| | | | |
|---|---|---|---|
| **Association / Organisation** | Not Available | | |
| **Emergency telephone numbers** | 0800 737363 | | |
| **Other emergency telephone numbers** | 0800 737363 | | |

### CHEMWATCH EMERGENCY RESPONSE

| Primary Number | Alternative Number 1 | Alternative Number 2 |
|---|---|---|
| +800 2436 2255 | +612 9186 1132 | Not Available |

**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

**Not considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.**

| | |
|---|---|
| **GHS Classification** | Not Applicable |
| ***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** | Not Available |

### Label elements

| | |
|---|---|
| **GHS label elements** | Not Applicable |

| | |
|---|---|
| SIGNAL WORD | NOT APPLICABLE |

### Hazard statement(s)

Not Applicable

### Precautionary statement(s): Prevention

Continued...

Not Applicable

### Precautionary statement(s): Response

Not Applicable

### Precautionary statement(s): Storage

Not Applicable

### Precautionary statement(s): Disposal

Not Applicable

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Substances

See section below for composition of Mixtures

### Mixtures

| CAS No | %[weight] | Name |
|---|---|---|
| 65997-17-3. | 20-30 | glass beads |
| 29911-28-2 | <2 | dipropylene glycol mono-n-butyl ether - alpha isomer |
| 34590-94-8 | <2 | dipropylene glycol monomethyl ether |
| 25265-77-4 | <2 | 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate |
| 2687-91-4 | <1 | 1-ethyl-2-pyrrolidinone |
| 7732-18-5* | 40-50 | water |

## 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 the eyes:<br>▸ Wash out immediately with fresh running water.<br>▸ 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.<br>▸ Seek medical attention without delay; if pain persists or recurs 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. |

### 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

| | |
|---|---|
| **Minor Spills** | ▸ Clean up all spills immediately. |
| **Major Spills** | Moderate hazard. |
| | Personal Protective Equipment advice is contained in Section 8 of the MSDS. |

## SECTION 7 HANDLING AND STORAGE

Continued...

### Precautions for safe handling

| | |
|---|---|
| **Safe handling** | ▸ Avoid all personal contact, including inhalation. |
| **Other information** | |

### Conditions for safe storage, including any incompatibilities

| | |
|---|---|
| **Suitable container** | ▸ Polyethylene or polypropylene container. |
| **Storage incompatibility** | None known |

**PACKAGE MATERIAL INCOMPATIBILITIES**

Not Available

## 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) | dipropylene glycol monomethyl ether | Dipropylene glycol methyl ether | 606 (mg/m3) / 100 (ppm) | 909 (mg/m3) / 150 (ppm) | Not Available | Skin absorption |

**EMERGENCY LIMITS**

| Ingredient | TEEL-0 | TEEL-1 | TEEL-2 | TEEL-3 |
|---|---|---|---|---|
| glass beads | 5(ppm) | 15(ppm) | 60(ppm) | 500(ppm) |
| dipropylene glycol monomethyl ether | 100(ppm) | 150(ppm) | 150(ppm) | 400(ppm) |
| 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate | 25(ppm) | 75(ppm) | 500(ppm) | 500(ppm) |
| water | 500(ppm) | 500(ppm) | 500(ppm) | 500(ppm) |

| Ingredient | Original IDLH | Revised IDLH |
|---|---|---|
| dipropylene glycol monomethyl ether | Unknown(mgm3)Unknown(ppm) | 600(ppm) |

### 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 |
| **Hand protection** | ▸ Wear chemical protective gloves, e.g. PVC. |
| **Body protection** | See Other protection below |
| **Other protection** | ▸ Overalls. |
| **Thermal hazards** | Not Available |

### 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:
Resene XC700 Not Available

| Material | CPI |
|---|---|

* 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

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.
Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

| Required Minimum Protection Factor | Half-Face Respirator | Full-Face Respirator | Powered Air Respirator |
|---|---|---|---|
| up to 5 x ES | A-AUS / Class 1 P2 | - | A-PAPR-AUS / Class 1 P2 |
| up to 25 x ES | Air-line* | A-2 P2 | A-PAPR-2 P2 |
| up to 50 x ES | - | A-3 P2 | - |
| 50+ x ES | - | Air-line** | - |

Continued...

* - Continuous-flow; ** - Continuous-flow or positive pressure demand
^ - 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

| | |
|---|---|
| **Appearance** | Textured opaque mixture |

| | | | |
|---|---|---|---|
| **Physical state** | Liquid | **Relative density (Water = 1)** | 1.427 |
| **Odour** | Not Available | **Partition coefficient n-octanol / water** | Not Available |
| **Odour threshold** | Not Available | **Auto-ignition temperature (°C)** | Not Available |
| **pH (as supplied)** | 8.6 | **Decomposition temperature** | Not Available |
| **Melting point / freezing point (°C)** | Not Available | **Viscosity (cSt)** | 2000 |
| **Initial boiling point and boiling range (°C)** | 100 | **Molecular weight (g/mol)** | Not Available |
| **Flash point (°C)** | Not Applicable | **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)** | 49 |
| **Vapour pressure (kPa)** | Not Available | **Gas group** | Not Available |
| **Solubility in water (g/L)** | Partly miscible | **pH as a solution(1%)** | Not Available |
| **Vapour density (Air = 1)** | Not Available | **VOC g/L** | 48.7 |

## SECTION 10 STABILITY AND REACTIVITY

| | |
|---|---|
| **Reactivity** | See section 7 |
| **Chemical stability** | ▸ 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** | Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. |
| **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. |
| **Eye** | Limited evidence exists, or practical experience suggests, that the material may cause eye irritation in a substantial number of individuals and/or is expected to produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. |
| **Chronic** | Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems. |

| | | |
|---|---|---|
| **Resene XC700** | **TOXICITY** | **IRRITATION** |
| | Not Available | Not Available |
| **glass beads** | **TOXICITY** | **IRRITATION** |
| | Not Available | Not Available |
| **dipropylene glycol mono-n-butyl ether - alpha isomer** | **TOXICITY** | **IRRITATION** |
| | Dermal (rabbit) LD50: >20000 mg/kg | |

Continued...

| | | |
|---|---|---|
| | Oral (rat) LD50: 3710 mg/kg | |
| | Not Available | Not Available |
| **dipropylene glycol monomethyl ether** | **TOXICITY** | **IRRITATION** |
| | Dermal (Rabbit) LD50: 9500 mg/kg | Eye (human): 8 mg - mild |
| | Oral (rat) LD50: 5135 mg/kg | Eye (rabbit): 500 mg/24hr - mild |
| | | Skin (rabbit): 238 mg - mild |
| | | Skin (rabbit): 500 mg (open)-mild |
| | Not Available | Not Available |
| **2,2,4-trimethyl-1,3-pentanediol monoisobutyrate** | **TOXICITY** | **IRRITATION** |
| | Dermal (g.pig) LD50: >16 ml/kg *** | Eyes - Moderate irritant * |
| | Dermal (None) Guinea: pig LD50>20 ml/kg | Skin - Slight irritant * |
| | Dermal (rabbit) LD50: >16 ml/kg * | Skin (rabbit): mild *** |
| | Inhalation (rat) LC50: >3.55 mg/l/6h | |
| | Inhalation (rat) LC50: 1600 mg/kg *** | |
| | Oral (Mouse) LD50: 3200 mg/kg | |
| | Oral (rat) LD50: 3200 mg/kg | |
| | Oral (rat) LD50: 3200 mg/kg *** | |
| | Not Available | Not Available |
| **1-ethyl-2-pyrrolidinone** | **TOXICITY** | **IRRITATION** |
| | Oral (rat) LD50: 1350 mg/kg | Eye (rabbit): 100 mg - mod |
| | Not Available | Not Available |
| **water** | **TOXICITY** | **IRRITATION** |
| | Not Available | Not Available |

| | |
|---|---|
| **GLASS BEADS** | No data of toxicological significance identified in literature search. |
| **DIPROPYLENE GLYCOL MONO-N-BUTYL ETHER - ALPHA ISOMER** | for propylene glycol ethers (PGEs):<br>Typical propylene glycol ethers include propylene glycol n-butyl ether (PnB); dipropylene glycol n-butyl ether (DPnB); dipropylene glycol methyl ether acetate (DPMA); tripropylene glycol methyl ether (TPM). |
| **DIPROPYLENE GLYCOL MONOMETHYL ETHER** | Asthma-like symptoms may continue for months or even years after exposure to the material ceases. |
| **2,2,4-TRIMETHYL-1,3-PENTANEDIOL MONOISOBUTYRATE** | The material may be irritating to the eye, with prolonged contact causing inflammation.<br>Not a skin sensitiser (guinea pig, Magnusson-Kligman) *** Ames Test: negative *** Micronucleus, mouse: negative *** Not mutagenic ***<br>No effects on fertility or foetal development seen in the rat *** * [SWIFT] ** [Eastman] *** [Perstop] |
| **1-ETHYL-2-PYRROLIDINONE** | The material may produce moderate eye irritation leading to inflammation.<br>Gastrointestinal, liver and kidney changes recorded. |
| **Resene XC700, WATER** | No significant acute toxicological data identified in literature search. |

| | | | |
|---|---|---|---|
| **Acute Toxicity** | ⊘ | **Carcinogenicity** | ⊘ |
| **Skin Irritation/Corrosion** | ⊘ | **Reproductivity** | ⊘ |
| **Serious Eye Damage/Irritation** | ⊘ | **STOT - Single Exposure** | ⊘ |
| **Respiratory or Skin sensitisation** | ⊘ | **STOT - Repeated Exposure** | ⊘ |
| **Mutagenicity** | ⊘ | **Aspiration Hazard** | ⊘ |

**CMR STATUS**

| | | | |
|---|---|---|---|
| **SKIN** | dipropylene glycol monomethyl ether | New Zealand Workplace Exposure Standards (WES) - Skin | Skin absorption |

## SECTION 12 ECOLOGICAL INFORMATION

### Toxicity

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

Continued...

### Persistence and degradability

| Ingredient | Persistence: Water/Soil | Persistence: Air |
|---|---|---|
| Not Available | Not Available | Not Available |

### Bioaccumulative potential

| Ingredient | Bioaccumulation |
|---|---|
| Not Available | Not Available |

### Mobility in soil

| Ingredient | Mobility |
|---|---|
| Not Available | Not Available |

## SECTION 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

| | |
|---|---|
| **Product / Packaging disposal** | Legislation addressing waste disposal requirements may differ by country, state and/ or territory. |
| | Insure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Regulations 2001. |

## 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**

## 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
Not Available

| HSR Number | Group Standard |
|---|---|

| | |
|---|---|
| **glass beads(65997-17-3.) is found on the following regulatory lists** | "New Zealand Inventory of Chemicals (NZIoC)","OECD List of High Production Volume (HPV) Chemicals","FisherTransport Information","Sigma-AldrichTransport Information" |
| **dipropylene glycol mono-n-butyl ether - alpha isomer(29911-28-2) is found on the following regulatory lists** | "New Zealand Inventory of Chemicals (NZIoC)","OSPAR National List of Candidates for Substitution – United Kingdom","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Chemicals (single components)","OECD Existing Chemicals Database","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals","OECD List of High Production Volume (HPV) Chemicals","International Council of Chemical Associations (ICCA) - High Production Volume List","International Fragrance Association (IFRA) Survey: Transparency List","Sigma-AldrichTransport Information","OSPAR National List of Candidates for Substitution – Norway" |
| **dipropylene glycol monomethyl ether(34590-94-8) is found on the following regulatory lists** | "New Zealand Inventory of Chemicals (NZIoC)","OSPAR National List of Candidates for Substitution – Norway","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data","OECD Existing Chemicals Database","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals","OECD List of High Production Volume (HPV) Chemicals","International Council of Chemical Associations (ICCA) - High Production Volume List","International Fragrance Association (IFRA) Survey: Transparency List","Sigma-AldrichTransport Information","IMO IBC Code Chapter 17: Summary of minimum requirements","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Dangerous Goods","New Zealand Workplace Exposure Standards (WES)" |
| **2,2,4-trimethyl-1,3-pentanediol monoisobutyrate(25265-77-4) is found on the following regulatory lists** | "New Zealand Inventory of Chemicals (NZIoC)","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Chemicals (single components)","OECD Existing Chemicals Database","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals","OECD List of High Production Volume (HPV) Chemicals","FisherTransport Information","Sigma-AldrichTransport Information","GESAMP/EHS Composite List - GESAMP Hazard Profiles","IMO IBC Code Chapter 17: Summary of minimum requirements" |
| **1-ethyl-2-pyrrolidinone(2687-91-4) is found on the following regulatory lists** | "New Zealand Inventory of Chemicals (NZIoC)","OECD List of High Production Volume (HPV) Chemicals","FisherTransport Information","Sigma-AldrichTransport Information" |
| **water(7732-18-5*) is found on the following regulatory lists** | "New Zealand Inventory of Chemicals (NZIoC)","OSPAR National List of Candidates for Substitution – Norway","OECD List of High Production Volume (HPV) Chemicals","WHO Model List of Essential Medicines - Adults","International Fragrance Association (IFRA) Survey: Transparency List","Sigma-AldrichTransport Information","IMO IBC Code Chapter 18: List of products to which the Code does not apply" |

## 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.

Continued...

A list of reference resources used to assist the committee may be found at:
www.chemwatch.net/references

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.