### Resene Paints Ltd Version No: 2.3

Safety Data Sheet according to the Health and Safety at Work (Hazardous Substances) Regulations 2017

Issue Date: 08/08/2024 Print Date: 08/08/2024 L.GHS.NZL.EN

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

Product Identifier	
Product name	Resene AquaLAQ Colour Coat
Synonyms	Incl. All Colours
Other means of identification	Not Available

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

Relevant identified uses	11421 10506 10507 10508 10509 11547 10144 1145 10146 10864 10751
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### Details of the manufacturer or supplier of the safety data sheet

Registered company name	Resene Paints Ltd
Address	32-50 Vogel Street 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	NZ POISONS (24hr 7days)	CHEMWATCH EMERGENCY RESPONSE (24/7)
Emergency telephone numbers	0800 764766	+64 800 700 112
Other emergency telephone numbers	Not Available	+61 3 9573 3188

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 <sup>[1]</sup>	Sensitisation (Skin) Category 1, Serious Eye Damage/Eye Irritation Category 2, Hazardous to the Aquatic Environment Long-Term 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	6.4A, 6.5B (contact), 9.1C

#### Label elements

Hazard pi	ctogram(s)	
S	ignal word	Warning

### Hazard statement(s)

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

### Precautionary statement(s) Prevention

P280	Wear protective gloves, protective clothing, eye protection and face protection.
P261	Avoid breathing mist/vapours/spray.

P273	Avoid release to the environment.	
P264	Wash all exposed external body areas thoroughly after handling.	
P272 Contaminated work clothing should not be allowed out of the workplace.		
Precautionary statement(s) Response		
P302+P352	IF ON SKIN: Wash with plenty of water.	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.	
P337+P313	If eye irritation persists: Get medical advice/attention.	

### Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

P362+P364

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

#### **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, EPA consolidation 30 September 2022 to be identified:

Take off contaminated clothing and wash it before reuse.

### Mixtures

CAS No	%[weight]	Name
1336-21-6	0.1-1	ammonium hydroxide
84133-50-6	0.1-1	alcohols C12-14 secondary ethoxylated
3007-53-2	<2.5	N,N-Dimethyldodecanamide
Legend:	1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. Classification drawn from C&L * EU IOELVs available	

#### **SECTION 4 First aid measures**

### Description of first aid measures

Eye Contact	<ul> <li>If this product comes in contact with the eyes:</li> <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 without delay if pain persists or recurs.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
Skin Contact	<ul> <li>If skin contact occurs:</li> <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>
Inhalation	<ul> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>
Ingestion	<ul> <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

- 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.	

May emit corrosive fumes.

### **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	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.
Major Spills	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	
Safe handling	<ul> <li>Avoid all personal contact, including inhalation.</li> <li>DO NOT allow clothing wet with material to stay in contact with skin</li> </ul>
Other information	

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

Suitable container	As supplied by manufacturer.
Storage incompatibility	Strong oxidisers

### **SECTION 8 Exposure controls / personal protection**

#### **Control parameters**

### Occupational Exposure Limits (OEL)

INGREDIENT DATA

Not Available

### Emergency Limits

Ingredient	TEEL-1	TEEL-2		TEEL-3	
ammonium hydroxide	61 ppm	330 ppm		2,300 ppm	
In one die né			Daviased IDI II		
Ingredient	Original IDLH		Revised IDLH		
ammonium hydroxide	Not Available		Not Available		
alcohols C12-14 secondary ethoxylated	Not Available		Not Available		
Occupational Exposure Banding	9				
Ingredient	Occupational Exposure Band Rating		Occupational	Exposure Band Limit	
ammonium hydroxide	E		≤ 0.1 ppm		
alcohols C12-14 secondary ethoxylated	E		≤ 0.1 ppm		
Notes:	Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.				

### MATERIAL DATA

#### Exposure controls

Appropriate engineering controls CARE: Explosive vapour air mixtures may be present on opening vessels which have contained liquid ammonia. Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.

Individual protection measures, such as personal protective equipment	
Eye and face protection	<ul> <li>Safety glasses with side shields.</li> </ul>
Skin protection	See Hand protection below
Hands/feet protection	See Glove Selection Index below. 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.
Body protection	See Other protection below
Other protection	Not usually required. Where the concentration of vapours in the breathing zone approaches or exceeds the "Exposure Standards" respiratory protection is required. Type A Filter of sufficient capacity.

### **Respiratory protection**

Type K Filter of sufficient capacity.

# **SECTION 9** Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Dispersion		
Physical state	Liquid	Relative density (Water = 1)	1.06-1.33
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	8.2-9.2	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	300-450
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)	65
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	50-60

### **SECTION 10 Stability and reactivity**

Reactivity	See section 7
Chemical stability	Product is considered stable.
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**

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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). The highly irritant properties of ammonia vapour result as the gas dissolves in mucous fluids and forms irritant, even corrosive solutions.				
Ingestion	The material has <b>NOT</b> been classified by EC Directives or other classification systems as 'harmful by ingestion'. Human metabolism allows detoxification of ammonia, however toxic effects appear if this mechanism is overwhelmed by other than small doses.				
Skin Contact	The material is not thought to produce adverse health models). Mild irritation is produced on moist skin when vapour o	-			
Eye	Evidence exists, or practical experience predicts, that produce significant ocular lesions which are present to				
Chronic	Practical experience shows that skin contact with the individuals, and/or of producing a positive response in Prolonged or repeated minor exposure to ammonia ga	experimental animals.			
	ΤΟΧΙΟΙΤΥ	IRRITATION			
Resene AquaLAQ Colour Coat	Not Available	Not Available			
	ΤΟΧΙΟΙΤΥ	IRRITATION			
ammonium hydroxide	Inhalation (Rat) LC50: 2000 ppm4h <sup>[2]</sup>	Eye (rabbit):	0.25 mg SEVERE		
	Oral (Rat) LD50: 350 mg/kg <sup>[2]</sup>	Eye (rabbit):	1 mg/30s SEVERE		
		IRRITATION			
alcohols C12-14 secondary ethoxylated	TOXICITY Not Available				
	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 AquaLAQ Colour	The following information refers to contact allorgous	a a group and may not be specific to	this product		
Coat	The following information refers to contact allergens as a group and may not be specific to this product.				
AMMONIUM HYDROXIDE	The material may produce severe irritation to the eye causing pronounced inflammation. Asthma-like symptoms may continue for months or even years after exposure to the material ends.				
ALCOHOLS 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-AE, C13 EO10 and C13 EO15, are Irritating (Xi) with R36/38 (Irritating to eyes and skin) . AE are not included in Annex 1 of the list of dangerous substances of the Council Directive 67/548/EEC In general, alcohol ethoxylates (AE) are readily absorbed through the skin of guinea pigs and rats and through the gastrointestinal mucosa of rats. For high boiling ethylene glycol ethers (typically triethylene- and tetraethylene glycol ethers): <b>Skin absorption</b> : 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.				
Aquita Taviaitu	×	Carainaganiaitu			
Acute Toxicity Skin Irritation/Corrosion	×	Carcinogenicity	×		
Serious Eye	×	STOT - Single Exposure	×		
Damage/Irritation Respiratory or Skin	*	STOT - Repeated Exposure	×		
Sensitisation Mutagenicity	×	Aspiration Hazard	×		
indiagemeity		-	available or does not fill the criteria for classification		
		✓ – Data available t			

# **SECTION 12 Ecological information**

Toxicity
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Source

	Not Available	Not Available	Not Available		Not Available		Not Available	
	Endpoint	Test Duration (hr)		Species		Value		Source
ammonium hydroxide	LC50	96h		Fish		33.3mg/L		4
	EC50(ECx)	96h C		Crustacea 0.83mg/L			5	
alcohols C12-14 secondary	Endpoint	Test Duration (hr)	Specie	s	Value		Sou	irce
ethoxylated	Not Available         Not Available         Not Available         Not Available							
Legend:	Ecotox database - Ad	CLID Toxicity Data 2. Europe ECH quatic Toxicity Data 5. ECETOC A tration 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.

Atmospheric Fate: Ammonia reacts rapidly with available acids (mainly sulfuric, nitric, and sometimes hydrochloric acid) to form the corresponding salts.

#### Persistence and degradability

For Ammonia

Ingredient	Persistence: Water/Soil	Persistence: Air	
	No Data available for all ingredients	No Data available for all ingredients	
Bioaccumulative pote	ntial		
Ingredient	Bioaccumulation		
	No Data available for all ingredients		
Mobility in soil			
Ingredient	Mobility		
ingreatent			

#### **SECTION 13 Disposal considerations**

Waste treatment methods				
Product / Packaging disposal	<ul> <li>DO NOT allow wash water from cleaning or process equipment to enter drains.</li> <li>Legislation addressing waste disposal requirements may differ by country, state and/ or territory.</li> <li>Recycle wherever possible.</li> <li>Consult manufacturer for recycling option.</li> <li>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.</li> </ul>			

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.

Do not allow product or wash water from cleaning or process equipment to enter drains or watercourses. It may be necessary to collect all wash water for treatment before disposal. The generation of waste should be avoided or minimised wherever possible. Disposal of this product should comply with Hazard Substances (Disposal) Notice 2017 (EPA Consolidation 30 April 2021).

For treating and discharging processes contact your local authority.

#### **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

14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

ethoxylated

### Resene AquaLAQ Colour Coat

Product name	Group			
ammonium hydroxide	Not Available			
alcohols C12-14 secondary ethoxylated	Not Available			
14.7.3. Transport in bulk in ac	ccordance with the IGC Code			
Product name	Ship Type			
ammonium hydroxide	Not Available			
alcohols C12-14 secondary				

### **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	
HSR002670	Surface Coatings and Colourants Subsidiary Hazard Group Standard 2020	

Please refer to Section 8 of the SDS for any applicable tolerable exposure limit or Section 12 for environmental exposure limit.

### ammonium hydroxide 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 (NZloC)

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

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)
- New Zealand Land Transport Rule: Dangerous Goods 2005 Schedule 1 Quantity limits for dangerous goods

### Additional Regulatory Information

Not Applicable

#### **Hazardous Substance Location**

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

Hazard Class	Quantities	
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

#### Maximum quantities of certain hazardous substances permitted on passenger service vehicles

Subject to Regulation 13.14 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

Hazard Class	Gas (aggregate water capacity in mL)	Liquid (L)	Solid (kg)	Maximum quantity per package for each classification
6.5A or 6.5B	120	1	3	

### **Tracking Requirements**

Not Applicable

### **National Inventory Status**

National Inventory	Status		
Australia - AIIC / Australia Non- Industrial Use	25		
Canada - DSL			
Canada - NDSL	mmonium hydroxide; alcohols C12-14 secondary ethoxylated)		
China - IECSC	/es		
Europe - EINEC / ELINCS / NLP	No (alcohols C12-14 secondary ethoxylated)		
Japan - ENCS	Yes		
Korea - KECI	Yes		

National Inventory	Status	
New Zealand - NZIoC	Yes	
Philippines - PICCS	Yes	
USA - TSCA	Yes	
Taiwan - TCSI	Yes	
Mexico - INSQ	Yes	
Vietnam - NCI	Yes	
Russia - FBEPH	No (alcohols C12-14 secondary ethoxylated)	
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.	

#### **SECTION 16 Other information**

Revision Date	08/08/2024
Initial Date	23/07/2018

### **SDS Version Summary**

Version	Date of Update	Sections Updated
1.3	08/08/2024	Hazards identification - Classification, Composition / information on ingredients - Ingredients, Identification of the substance / mixture and of the company / undertaking - Supplier Information, Identification of the substance / mixture and of the company / undertaking - Synonyms, Identification of the substance / mixture and of the company / undertaking - Use

#### 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
- ES: Exposure Standard
- 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
- DNEL: Derived No-Effect Level
- PNEC: Predicted no-effect concentration
- AIIC: Australian Inventory of Industrial Chemicals
- DSL: Domestic Substances List
- NDSL: Non-Domestic Substances List
- IECSC: Inventory of Existing Chemical Substance in China
- EINECS: European INventory of Existing Commercial chemical Substances
- ELINCS: European List of Notified Chemical Substances
- NLP: No-Longer Polymers
- ENCS: Existing and New Chemical Substances Inventory
- KECI: Korea Existing Chemicals Inventory
- NZIoC: New Zealand Inventory of Chemicals
- PICCS: Philippine Inventory of Chemicals and Chemical Substances
- TSCA: Toxic Substances Control Act
- TCSI: Taiwan Chemical Substance Inventory
- INSQ: Inventario Nacional de Sustancias Químicas
- NCI: National Chemical Inventory
- ▶ FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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