Resene Paints (Australia) Limited

Version No: 1.1 Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements Issue Date: 13/09/2022 Print Date: 13/09/2022 L.GHS.AUS.EN

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

Product Identifier		
Product name	RESENE AQUAPOXY BASE	
Synonyms	Incl Gloss and Semi- Gloss bases	
Other means of identification	Not Available	

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

Relevant identified uses	8925, 10811
	0020, 10011

Details of the manufacturer or supplier of the safety data sheet

Registered company name	Resene Paints (Australia) Limited	Resene Paints Ltd
Address	7 Production Avenue, Molendinar Queensland 4214 Australia	32-50 Vogel Street Wellington New Zealand
Telephone	+61 7 55126600	+64 4 577 0500
Fax	+61 7 55126697	+64 4 5773327
Website	www.resene.com.au	www.resene.co.nz
Email	Not Available	advice@resene.co.nz

Emergency telephone number

Association / Organisation	AUSTRALIAN POISONS CENTRE	NZ POISONS (24hr 7 days)	CHEMWATCH EMERGENCY RESPONSE
Emergency telephone numbers	131126	0800 764766	+61 1800 951 288
Other emergency telephone numbers	Not Available	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

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

Poisons Schedule	Not Applicable	
Classification ^[1]	Classification [1] Serious Eye Damage/Eye Irritation Category 2A, Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1, Hazardous to the Aquatic Environment Long-Term Hazard Category 3	
Legend: 1. Classified by Chernwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex		

Label elements

Hazard pictogram(s)	

Signal word Warning

Hazard statement(s)

H319	Causes serious eye irritation.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H412	H412 Harmful to aquatic life with long lasting effects.	

Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

P280	Wear protective gloves, protective clothing, eye protection and face protection.	
P261	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	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.		
P362+P364 Take off contaminated clothing and wash it before reuse.		

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.
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SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
68131-40-8	0.1-1	alcohols C11-15 secondary ethoxylated
1477-55-0	<2	m-xylenediamine
2855-13-2	<2	isophorone diamine
Legend: 1. Classified by Chernwatch; 2. Classification drawn from HCIS; 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	 If this product comes in contact with the eyes: Wash out immediately with fresh running water. 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. Seek medical attention without delay; if pain persists or recurs 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 aerosols, fumes or combustion products are inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop seek medical attention. Urgent hospital treatment is likely to be needed.	
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

Water spray or fog.

Special hazards arising from the substrate or mixture

Fire Incompatibility	None known.
Advice for firefighters	

Fire Fighting

Fire/Explosion Hazard	 Non combustible. May emit poisonous fumes. May emit corrosive fumes.
HAZCHEM	2X

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	 Avoid all personal contact, including inhalation. DO NOT allow clothing wet with material to stay in contact with skin
Other information	

Conditions for safe storage, including any incompatibilities

Suitable container	Polyethylene or polypropylene container.
Storage incompatibility	None known

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 m-xylenediamine m-Xylene-alpha,alpha'-diamine Not Available Not Available 0.1 mg/m3 Not Available **Emergency Limits** TEEL-1 TEEL-2 TEEL-3 Ingredient RESENE AQUAPOXY BASE Not Available Not Available Not Available Original IDLH Revised IDLH Ingredient alcohols C11-15 secondary Not Available Not Available ethoxylated m-xylenediamine Not Available Not Available isophorone diamine Not Available Not Available **Occupational Exposure Banding Occupational Exposure Band Limit** Ingredient **Occupational Exposure Band Rating** alcohols C11-15 secondary Е ≤ 0.1 ppm ethoxylated D > 0.1 to ≤ 1 ppm isophorone diamine Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the Notes: 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

Exposed individuals are **NOT** reasonably expected to be warned, by smell, that the Exposure Standard is being exceeded. For benzene-1,3-dimethanamine (m-xylene-alpha,alpha'-diamine; m-xylenediamine; m-xylyldiamine) Saturates in air at 219.5 mg/m3 (39.5 ppm) at 25 deg C.

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. NOTE: The material may produce skin sensitisation in predisposed individuals. 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	► Overalls.

Respiratory protection

Type A-P Filter of sufficient capacity.

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	White solution		
Physical state	Liquid	Relative density (Water = 1)	1.50-1.55
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	9-11	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
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 BuAC = 1	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	62-67
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (Not Available%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	18

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

Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 Toxicological information

Information on toxicological ef	fects			
Inhaled	Evidence shows, or practical experience predicts, that the material produces irritation of the respiratory system, in a substantial 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	Evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. The material may accentuate any pre-existing dermatitis condition Open cuts, abraded or irritated skin should not be exposed to this material 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	Repeated or long-term occupational exposure is likely to produce cumulative health effects involving organs or biochemical systems. Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems. 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. Amine epoxy-curing agents (hardeners) may produce primary skin irritation and sensitisation dermatitis in predisposed individuals.			
RESENE AQUAPOXY BASE	TOXICITY IRRITATION		IRRITATION	
RESERE AQUAPUAT DASE	Not Available Not Available		Not Available	
τοχιζιτγ		IRRITATION		
	dermal (rat) LD50: >2000 mg/kg ^[1]	Eve: no ad	Eye: no adverse effect observed (not irritating) ^[1]	
alcohols C11-15 secondary ethoxylated	Oral (Rat) LD50; >=2000 mg/kg ^[1] Skin (rabbit): 500 mg(open) mild			
	Skin: no adverse effect observed (not irritating) ^[1]			
	ΤΟΧΙCΙΤΥ		IRRITATION	
	Dermal (rabbit) LD50: 2000 mg/kg ^[2]		Eye (rabbit): 0.05 mg/24h SEVERE	
m-xylenediamine	Inhalation(Rat) LC50; 0.8 mg/l4h ^[1]		Skin (rabbit): 0.75 mg/24h SEVERE	
	Oral (Rat) LD50; >200 mg/kg ^[1]			
	ΤΟΧΙΟΙΤΥ			IRRITATION
	dermel (ret) DE0: > 2000 mg/kg[1]			Not Available

is subserved discusions	dermal (rat) LD50: >2000 mg/kg ^[1]	Not Available
isophorone diamine	Inhalation(Rat) LC50; >=1.07<=5.01 mg/l4h ^[1]	
	Oral (Rat) LD50; 1030 mg/kg ^[2]	
Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufa specified data extracted from RTECS - Register of Toxic Effect of chemical Substances	cturer's SDS. Unless otherwise

	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
ALCOHOLS C11-15	>20 EO is not classified (CESIO 2000)
SECONDARY ETHOXYLATED	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):
	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.

M-XYLENEDIAMINE	Allergic reactions which develop in the respiratory passa allergen with specific antibodies of the IgE class and bel Particular attention is drawn to so-called atopic diathesis asthma and atopic eczema (neurodermatitis) which is as Exogenous allergic alveolitis is induced essentially by all lymphocytes) may be involved. For benzene-1,3-dimethanamine (m-xylene-alpha, alpha' The toxicity via oral administration and inhalation was tis contact sites. The material may produce severe irritation to the eye ca The material may produce severe skin irritation after pro While it is difficult to generalise about the full range of po characterised by those used in the manufacture of polyu these materials may cause adverse health effects. • Many amine-based compounds can induce histamin bronchoconstriction or bronchial asthma and rhinitis • Systemic symptoms include headache, nausea, fain erythema (reddening of the skin), urticaria (hives), a	ong in their reaction rates to the man swhich is characterised by an increas ssociated with increased IgE synthesi lergen specific immune-complexes of '- diamine) ssue damage in the digestive and resp using pronounced inflammation. Jonged or repeated exposure, and mo otential health effects posed by expos urethane and polyisocyanurate foams the liberation, which, in turn, can trigge the liberation, which, in turn, can trigge	Ifestation of the immediate type. sed susceptibility to allergic rhinitis, allergic bronchial s. the IgG type; cell-mediated reactions (T piratory organs, respectively, which are the first ay produce a contact dermatitis (nonallergic). sure to the many different amine compounds, , it is agreed that overexposure to the majority of er allergic and other physiological effects, including
ISOPHORONE DIAMINE	For isophorone diamine Based on a limited skin irritation study with rabbits and rats, isophorone diamine is deemed to be a strong irritant (duration of the exposure not reported) and corrosive after repeated application. The material may be irritating to the eye, with prolonged contact causing inflammation. The material may produce respiratory tract irritation. The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic).		
RESENE AQUAPOXY BASE & M-XYLENEDIAMINE & ISOPHORONE DIAMINE	Asthma-like symptoms may continue for months or even years after exposure to the material ends.		
Acute Toxicity	×	Carcinogenicity	×
Skin Irritation/Corrosion	×	Reproductivity	×
Serious Eye Damage/Irritation	×	STOT - Single Exposure	×
Respiratory or Skin sensitisation	✓	STOT - Repeated Exposure	×
Mutagenicity	×	Aspiration Hazard	×

Legend:

Data either not available or does not fill the criteria for classification
 Data available to make classification

Toxicity

RESENE AQUAPOXY BASE	Endpoint	Test Duration (hr)		Species	Value		Sou	irce
RESENE AQUAPUNT DASE	Not Available	Not Available		Not Available Not		Available Not		Available
alcohols C11-15 secondary	Endpoint	Test Duration (hr)	Species		Value		Source
ethoxylated	NOEC(ECx)	672h		Crustace	Crustacea		0.08mg/l	
	Endpoint	Test Duration (hr)	Sp	ecies			Value	Source
	BCF	1008h	Fis	sh			<0.3	7
	EC50	72h		Algae or other aquatic plants			12mg/l	2
m-xylenediamine	EC50	48h	Cr	Crustacea		15.2mg/l		2
	NOEC(ECx)	504h	Cr	Crustacea			4.7mg/l	2
	LC50	96h	Fis	sh			75mg/l	2
	Endpoint	Test Duration (hr)	Speci	P S		Value		Source
	BCF	1008h	Fish		<0.5			7
	EC50	72h		Algae or other aquatic plants		37mg/l		1
isophorone diamine	EC50	48h		Crustacea		14.6-21.5mg/l		4
	NOEC(ECx)	72h	Algae	Algae or other aquatic plants		1.5mg/l		1
	LC50	96h	Fish			70mg/		1
Legend:		UCLID Toxicity Data 2. Europ Aquatic Toxicity Data 5. ECE						

Harmful to aquatic organisms. DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
m-xylenediamine	HIGH	HIGH
isophorone diamine	HIGH	HIGH

Bioaccumulative potential

m-xylenediamine isophorone diamine

Ingredient	Bioaccumulation
m-xylenediamine	LOW (BCF = 2.7)
isophorone diamine	LOW (BCF = 3.4)
Mobility in soil	
Ingredient	Mobility

SECTION 13 Disposal considerations

Waste treatment methods	
Product / Packaging disposal	 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.

SECTION 14 Transport information

Labels Required	
Marine Pollutant	NO
HAZCHEM	2X

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

LOW (KOC = 914.6)

LOW (KOC = 340.4)

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

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

Product name	Group
alcohols C11-15 secondary ethoxylated	Not Available
m-xylenediamine	Not Available
isophorone diamine	Not Available

Transport in bulk in accordance with the ICG Code

Product name	Ship Type
alcohols C11-15 secondary ethoxylated	Not Available
m-xylenediamine	Not Available
isophorone diamine	Not Available

SECTION 15 Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

alcohols C11-15 secondary ethoxylated is found on the following regulatory lists Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

m-xylenediamine is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

isophorone diamine is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) -Schedule 5

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (alcohols C11-15 secondary ethoxylated; m-xylenediamine)

Australian Inventory of Industrial Chemicals (AIIC)

Australian Inventory of Industrial Chemicals (AIIC)

National Inventory	Status
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	No (alcohols C11-15 secondary ethoxylated)
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - FBEPH	Yes
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	13/09/2022
Initial Date	26/05/2017

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

Definitions and appreviations
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
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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