# RESENE DECORATOR POLYURETHANE SEMI GLOSS

#### **RESENE PAINTS LTD**

Version No: **1.1**Safety Data Sheet according to HSNO Regulations

Chemwatch Hazard Alert Code: 3

Issue Date: 29/10/2014 Print Date: 29/10/2014 Initial Date: 29/10/2014 S.GHS.NZL.EN

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

#### **Product Identifier**

Product name	RESENE DECORATOR POLYURETHANE SEMI GLOSS
Chemical Name	Not Applicable
Synonyms	5582
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)
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
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#### Details of the manufacturer/importer

Registered company name	RESENE PAINTS LTD
Address	32-50 VOGEL STREET, LOWER HUTT New Zealand
Telephone	+64 4 577 0500
Fax	+64 4 577 3327
Website	www.resene.co.nz
Email	Not Available

# Emergency telephone number

Association / Organisation	Not Available
Emergency telephone numbers	0800737363
Other emergency telephone numbers	0800737363

# **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

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Classified as Dangerous Goods for transport purposes.

GHS Classification <sup>[1]</sup>	Flammable Liquid Category 3, Germ Cell Mutagen Category 1B, Carcinogen Category 1B, STOT - SE (Narcosis) Category 3, STOT - RE Category 2, Aspiration Hazard Category 1, Acute Aquatic Hazard Category 2, Chronic Aquatic Hazard Category 2
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	3.1C, 6.1E (aspiration), 6.6A, 6.7A, 6.9 (narcotic), 6.9B (inhalation), 9.1B

#### Label elements

**GHS** label elements









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# Hazard statement(s)

H226	Flammable liquid and vapour
H340	May cause genetic defects
H350	May cause cancer
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure
H304	May be fatal if swallowed and enters airways
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

#### Precautionary statement(s): Prevention

P201 Obtain special instructions before use.

#### Precautionary statement(s): Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider

#### Precautionary statement(s): Storage

P403+P235 Store in a well-ventilated place. Keep cool.

#### Precautionary statement(s): Disposal

P501 Dispose of contents/container to authorised chemical landfill or if organic to high temperature incineration

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

#### Substances

See section below for composition of Mixtures

#### **Mixtures**

CAS No	%[weight]	Name
96-29-7	<0.5	methyl ethyl ketoxime
8052-41-3.	35-50	naphtha, petroleum, hydrodesulfurised heavy
64742-88-7	15-25	solvent naphtha petroleum, medium aliphatic
64742-95-6	1-3	naphtha petroleum, light aromatic solvent

#### **SECTION 4 FIRST AID MEASURES**

NZ Poisons Centre 0800 764 766 | NZ Emergency Services: 111 - THIS IS A SUMMARY ONLY - FULL REPORT AVAILABLE

#### Description of first aid measures

Description of first aid file	asires
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	<ul> <li>If furnes or combustion products are inhaled remove from contaminated area.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor.</li> </ul>
Ingestion	<ul> <li>If swallowed do NOT induce vomiting.</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> <li>Avoid giving milk or oils.</li> <li>Avoid giving alcohol.</li> <li>If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.</li> </ul>

# Indication of any immediate medical attention and special treatment needed

For acute or short term repeated exposures to petroleum distillates or related hydrocarbons:

- Primary threat to life, from pure petroleum distillate ingestion and/or inhalation, is respiratory failure.
- Patients should be quickly evaluated for signs of respiratory distress (e.g. cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO2 50 mm Hg) should be intubated.
- Arrhythmias complicate some hydrocarbon ingestion and/or inhalation and electrocardiographic evidence of myocardial injury has been reported; intravenous lines and cardiac monitors should be established in obviously symptomatic patients. The lungs excrete inhaled solvents, so that hyperventilation improves clearance.
- A chest x-ray should be taken immediately after stabilisation of breathing and circulation to document aspiration and detect the presence of pneumothorax.
- Epinephrine (adrenalin) is not recommended for treatment of bronchospasm because of potential myocardial sensitisation to catecholamines. Inhaled cardioselective bronchodilators (e.g.

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- Alupent, Salbutamol) are the preferred agents, with aminophylline a second choice.
- Lavage is indicated in patients who require decontamination; ensure use of cuffed endotracheal tube in adult patients. [Ellenhorn and Barceloux: Medical Toxicology]

Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically. Mechanical means should be used if it is considered necessary to evacuate the stomach contents; these include gastric lavage after endotracheal intubation. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours.

# **SECTION 5 FIREFIGHTING MEASURES**

# **Extinguishing media**

Foam.

# Special hazards arising from the substrate or mixture

Fire Incompatibility

▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

#### Advice for firefighters

Fire Fighting	► Alert Fire Brigade and tell them location and nature of hazard.
Fire/Explosion Hazard	▶ Liquid and vapour are flammable.

#### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

# Personal precautions, protective equipment and emergency procedures

Minor Spills	▶ Remove all ignition sources.
Major Spills	► Clear area of personnel and move upwind.
	Personal Protective Equipment advice is contained in Section 8 of the MSDS.

#### **SECTION 7 HANDLING AND STORAGE**

# Precautions for safe handling

Safe handling	► Containers, even those that have been emptied, may contain explosive vapours.
Other information	► Store in original containers in approved flammable liquid storage area.

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

Suitable container	▶ Packing as supplied by manufacturer.
Storage incompatibility	For alkyl aromatics: The alkyl side chain of aromatic rings can undergo oxidation by several mechanisms.

#### 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)	naphtha, petroleum, hydrodesulfurised heavy	Rubber solvent (Naptha)	1600 mg/m3 / 400 ppm	Not Available	Not Available	Not Available
New Zealand Workplace Exposure Standards (WES)	naphtha, petroleum, hydrodesulfurised heavy	White spirits (Stoddard solvent)	525 mg/m3 / 100 ppm	Not Available	Not Available	Not Available

#### **EMERGENCY LIMITS**

Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
RESENE DECORATOR POLYURETHANE SEMI GLOSS	Not Available	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
methyl ethyl ketoxime	Not Available	Not Available
naphtha, petroleum, hydrodesulfurised heavy	29,500 mg/m3 / 10,000 ppm / 10,000 [LEL] ppm	20,000 mg/m3 / 1,100 [LEL] ppm / 1,000 [LEL] ppm
solvent naphtha petroleum, medium aliphatic	Not Available	Not Available
naphtha petroleum, light aromatic solvent	Not Available	Not Available

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Appropriate engineering Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. controls 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 ▶ Employees working with confirmed human carcinogens should be provided with, and be required to wear, clean, full body protective clothing (smocks, Other protection coveralls, or long-sleeved shirt and pants), shoe covers and gloves prior to entering the regulated area. Thermal hazards

#### 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:

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Material	CPI
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- \* 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

Type A-P Filter of sufficient capacity.

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 10 x ES	A-AUS P2	-	A-PAPR-AUS / Class 1 P2
up to 50 x ES	-	A-AUS / Class 1 P2	-
up to 100 x ES	-	A-2 P2	A-PAPR-2 P2 ^

^ - 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	Clear, slightly umber liquid with strong petroleum odour			
Physical state	Liquid	Relative density (Water = 1)	0.889	
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)	450	
Initial boiling point and boiling range (°C)	>145	Molecular weight (g/mol)	Not Available	
Flash point (°C)	27	Taste	Not Available	
Evaporation rate	Not Available	Explosive properties	Not Available	
Flammability	Flammable.	Oxidising properties	Not Available	
Upper Explosive Limit (%)	6.0	Surface Tension (dyn/cm or mN/m)	Not Available	
Lower Explosive Limit (%)	1.6	Volatile Component (%vol)	66	
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	530	

# **SECTION 10 STABILITY AND REACTIVITY**

Reactivity	See section 7
Chemical stability	► Unstable in the presence of incompatible materials.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7

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Incompatible materials	See section 7
Hazardous decomposition products	See section 5

Acute Toxicity

0

SECTION 11 TOXICOLOG	GICAL INFORMATION			
Information on toxicologic	cal effects			
Inhaled	Inhalation of vapours may cause drowsiness and dizziness.			
Ingestion	Swallowing of the liquid may cause aspiration of vomit into the lungs with the risk of haemorrhaging, pulmonary oedema, progressing to chemical pneumonitis; serious consequences may result.			
Skin Contact	Repeated exposure may cause skin cracking, flaking or drying followi	ng normal handl	ling and use.	
Eye	Limited evidence exists, or practical experience suggests, that the ma produce significant ocular lesions which are present twenty-four hour		•	
Chronic	On the basis, primarily, of animal experiments, the material may be re	garded as carcir	nogenic to humans.	
RESENE DECORATOR POLYURETHANE SEMI	TOXICITY	IRR	ITATION	
GLOSS	Not Available	Not a	Available	
	TOXICITY		IRRITATION	
	Dermal (rabbit) LD50: >1000 mg/kg *		Eye (rabbit): 0.1 ml -	SEVERE
	Inhalation (rat) LC50: >4.83 mg/l *			
	Inhalation (Rat) LC50: 20 mg/l/4h **			
methyl ethyl ketoxime	Intraperitoneal (mouse) LD50: 200 mg/kg			
	Oral (Rat) LD50: >2400 mg/kg **			
	Oral (rat) LD50: 930 mg/kg			
	Subcutaneous (rat) LD50: 2702 mg/kg			
	Not Available		Not Available	
naphtha, petroleum,	TOXICITY	IRR	ITATION	
hydrodesulfurised heavy	Not Available	Not a	Available	
	TOXICITY			IRRITATION
solvent naphtha petroleum,	Dermal (rat) LD50: 28000 mg/kg *			* Xergon
medium aliphatic	Oral (rat) LD50: 28000 mg/kg *			
	Not Available			Not Available
	TOXICITY			IRRITATION
naphtha petroleum, light	Inhalation (rat) LC50: >3670 ppm/8 h *		Nil reported	
aromatic solvent	Oral (rat) LD50: >5000 mg/kg *			
	Not Available		Not Available	
METHYL ETHYL KETOXIME	The following information refers to contact allergens as a group and may not be specific to this product.  Mammalian lymphocyte mutagen *Huls Canada ** Merck			
SOLVENT NAPHTHA PETROLEUM, MEDIUM ALIPHATIC	for petroleum: This product contains benzene which is known to cause acute myeloid leukaemia and n-hexane which has been shown to metabolize to compounds which are neuropathic. for full range naphthas			
NAPHTHA PETROLEUM, LIGHT AROMATIC SOLVENT	Asthma-like symptoms may continue for months or even years after exposure to the material ceases.  * [Devoe] .			
RESENE DECORATOR POLYURETHANE SEMI GLOSS, NAPHTHA, PETROLEUM, HYDRODESULFURISED HEAVY	No significant acute toxicological data identified in literature search.			

Carcinogenicity

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Skin Irritation/Corrosion	0	Reproductivity	0
Serious Eye Damage/Irritation	0	STOT - Single Exposure	✓
Respiratory or Skin sensitisation	0	STOT - Repeated Exposure	✓
Mutagenicity	<b>✓</b>	Aspiration Hazard	<b>✓</b>

Legend:

✓ – Data required to make classification available

X − Data available but does not fill the criteria for classification
 S − Data Not Available to make classification

#### **CMR STATUS**

Not Applicable

# **SECTION 12 ECOLOGICAL INFORMATION**

#### Toxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

# Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
methyl ethyl ketoxime	HIGH	HIGH

# **Bioaccumulative potential**

Ingredient	Bioaccumulation
methyl ethyl ketoxime	LOW (BCF = 5.8)

# Mobility in soil

Ingredient	Mobility
methyl ethyl ketoxime	LOW (KOC = 130.8)

# **SECTION 13 DISPOSAL CONSIDERATIONS**

# Waste treatment methods

Product / Packaging disposal

▶ Containers may still present a chemical hazard/ danger when empty.

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



HAZCHEM •3Y

# Land transport (UN)

UN number	1263	
Packing group	III	
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)	
Environmental hazard	No relevant data	
Transport hazard class(es)	Class 3 Subrisk Not Applicable	
Special precautions for user	Special provisions 163;223;367 Limited quantity 5 L	

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UN number	1263	
Packing group	Ш	
UN proper shipping name	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base); Paint related material (including paint thinning or reducing compounds)	
Environmental hazard	No relevant data	
Transport hazard class(es)	ICAO/IATA Class 3 ICAO / IATA Subrisk Not Applicable ERG Code 3L	
Special precautions for user	Special provisions Cargo Only Packing Instructions Cargo Only Maximum Qty / Pack Passenger and Cargo Packing Instructions Passenger and Cargo Maximum Qty / Pack Passenger and Cargo Limited Quantity Packing Instructions Passenger and Cargo Limited Maximum Qty / Pack	A3A72 366 220 L 355 60 L Y344 10 L

# Sea transport (IMDG-Code / GGVSee)

UN number	1263	
Packing group	III	
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)	
Environmental hazard	No relevant data	
Transport hazard class(es)	IMDG Class     3       IMDG Subrisk     Not Applicable	
Special precautions for user	EMS Number F-E , S-E Special provisions 163 223 955 Limited Quantities 5 L	

# Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC code

Source	Ingredient	Pollution Category
IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk	methyl ethyl ketoxime	Υ
IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk	naphtha, petroleum, hydrodesulfurised heavy	Υ
IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk	naphtha petroleum, light aromatic solvent	Υ

# **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

HSR Number	Group Standard
HSR002669	Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2006

1.0.1002000	Canada Codamingo and Constraints (Figure 1) Coda Canada 2000	
methyl ethyl ketoxime(96-29-7) 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"	
naphtha, petroleum, hydrodesulfurised heavy(8052-41-3.) is found on the following regulatory lists	"New Zealand Inventory of Chemicals (NZIoC)","International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs","New Zealand Workplace Exposure Standards (WES)","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals"	
solvent naphtha petroleum, medium aliphatic(64742-88-7) is found on the following regulatory lists	"New Zealand Inventory of Chemicals (NZIoC)"	

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naphtha petroleum, light aromatic solvent(64742-95-6) is found on the following regulatory lists

"New Zealand Inventory of Chemicals (NZIoC)","International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs","New Zealand Workplace Exposure Standards (WES)"

# **Location Test Certificate**

Subject to Regulation 55 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations a location test certificate is required when quantity greater than or equal to those indicated below are present.

Hazard Class	Quantity beyond which controls apply for closed containers	Quantity beyond which controls apply when use occurring in open containers
3.1C	500 L in containers greater than 5 L 1500 L in containers up to and including 5 L	250 L 250 L

#### **Approved Handler**

Subject to Regulation 56 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations, the substance must be under the personal control of an Approved Handler when present in a quantity greater than or equal to those indicated below.

Class of substance	Quantities
6.7A	10 kg or more, if solid 10 L or more, if liquid

#### **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.

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.

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