

# Safety Data Sheet

## SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	<b>KWILA TIMBER STAIN</b>
<b>Other Names</b>	UN1263 PAINT. Product Code: 22819
<b>Recommended Use</b>	Penetrating timber stain for exterior timber decks and furniture.
<b>Company Name</b>	Resene Paints (Australia) Limited.
<b>Address</b>	7 Production Avenue Molendinar, Queensland 4214.
<b>Emergency Tel</b>	Available Monday – Friday, 8:00 a.m. – 5:00 p.m.
<b>Free Call</b>	1800 738 383
<b>Phone</b>	07 3287 0222
<b>Fax</b>	07 3287 0226

## SECTION 2. HAZARDS IDENTIFICATION

<b>Hazard Statement</b>	HAZARDOUS SUBSTANCE. DANGEROUS GOODS. According to the criteria of the GHS and the ADG code.	
<b>GHS Classification</b>	Flammable liquid	Category 3
	Acute toxicity - Oral	Category 4
	Acute Toxicity - Inhalation	Category 4
	Toxic to Reproduction	Category 1B
	Skin Corrosion/Irritation	Category 2
	Serious Eye Damage/Irritation	Category 2A
	Sensitisation- Skin	Category 1
	Specific Target Organ Toxicity (repeated exposure)	Category 2
	Specific Target Organ Toxicity (single exposure)	Category 3

### Label Elements



**DANGER**

<b>Hazard Statements</b>	Flammable liquid and vapour. Harmful if swallowed or inhaled. May damage fertility or the unborn child. Causes skin irritation and eye irritation. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. May cause respiratory irritation.
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<b>Precautionary statements</b>	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Keep away from heat, sparks, open flames, hot surfaces – No smoking. Keep container tightly closed. Ground container and receiving equipment. Use explosion-proof electrical, ventilation, lighting and other equipment. Use non sparking tools. Take precautionary measures against static discharge. Wear protective gloves, eye (or face) protection and other personal protection as required.
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Wash thoroughly after handling.  
 Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Do not breathe vapour.  
 Use only outdoors or in a well-ventilated area.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion %
	Solvent naphtha (petroleum), light aromatic	64742-95-6	10 - < 30
	Dimethyl glutarate	1119-40-0	10 - < 30
	Xylene	1330-20-7	10 - < 30
	2-butoxyethanol	111-76-2	< 10
	Butyl acetate	123-86-4	< 10
	Toluene	108-88-3	< 10
	2,2,4-trimethyl-1,3-diol monoisobutyrate	25265-77-4	< 10
	Dibutyl phthalate	84-74-2	< 10
	2-(thiocyanomethylthio)benzothiazole	21564-17-0	< 1
	Iodocarb	55406-53-6	< 1
	92-benzothiazolylthio)butanedioic acid	95154-01-1	< 1
	Ingredients not contribution to classification	Proprietary	< 10

### SECTION 4. FIRST AID MEASURES

<b>Swallowed</b>	Immediately call a POISON CENTRE or doctor. Rinse mouth with plenty of water then provide liquid slowly and as much as the person can comfortably drink. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do NOT induce vomiting.
<b>Eyes</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>Skin (or hair)</b>	Remove immediately all contaminated clothing and wash before reuse. Wash skin with plenty of soap and water/shower. If skin irritation or rash occurs get medical attention.
<b>Inhaled</b>	Remove victim to fresh air and keep at rest in a comfortable position for breathing. Call a POISON CENTRE or doctor if you feel unwell.
<b>First Aid Facilities</b>	Eye wash facilities
<b>Symptoms caused by exposure</b>	The normal routes of exposure are usually by skin contact with the material and/or inhalation of the vapour. Initial contact with this product may cause skin and eye irritation. Vapours may cause drowsiness or dizziness. Long term use may cause defatting of the skin which may lead to Irritant Contact Dermatitis. May cause sensitisation by skin contact. For persons with a history of eczema or skin allergies, it is inadvisable to use this product. Inhalation of vapour over an extended period may result in nervous system impairment and liver and blood changes. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. As with any chemical product, contact with unprotected bare skin; inhalation of vapour, mist or dust in the workplace atmosphere, should be avoided. Ingestion in any form can be avoided by observing correct occupational hygiene.
<b>Medical Attention and Special Treatment</b>	Treat symptomatically.

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**SECTION 5. FIRE FIGHTING MEASURES**


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<b>Extinguisher</b>	For small fires - Alcohol stable foam or carbon dioxide. For large fires - Water spray or fog, or dry chemical powder. Do not use water in a jet.
<b>Hazards from combustion products</b>	On combustion, this product may emit toxic fumes of carbon monoxide and carbon dioxide. May emit clouds of acrid smoke.
<b>Special protective precautions and equipment for fire fighters</b>	Wear breathing apparatus plus protective clothing and gloves. Prevent, by any means available, spillage from entering drains or water course. DO NOT approach containers suspected of being hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Vapours are heavier than air and can spread along the ground to distant ignition sources causing flashback.
<b>Hazchem code</b>	3[Y]

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**


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<b>Emergency procedures</b>	Avoid contact with spilled or released material. Avoid breathing vapour and avoid contact with skin and eyes.
<b>Environmental precautions</b>	Prevent, by any means available, spillage or fire fighting media from entering drains or water course.
<b>Methods and materials for containment and clean up.</b>	<p><b>Minor spills</b> Contain and absorb small quantities with vermiculate or other non-flammable absorbent material. Wipe up. Control personal contact by using protective equipment. Collect residues in a suitable waste container.</p> <p><b>Major spills</b> Prevent, by any means available, spillage from entering drains or water course. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.</p>

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**SECTION 7. HANDLING AND STORAGE**


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<b>Precautions for safe handling</b>	Avoid all personal contact, including inhalation. Use and store in a well ventilated area. When handling, DO NOT eat drink or smoke. Avoid contact with incompatible materials. Always wash hands with soap and water. Observe proper occupational work practices. Keep containers securely sealed when not in use. Launder contaminated clothing before use.
<b>Conditions for safe storage including any incompatibilities</b>	Store locked up. Check all containers are clearly labelled and free from leaks. Keep containers securely sealed

Store in a cool dry, well-ventilated area, away from sources of ignition.  
Avoid storage with oxidisers.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### National exposure standards for mixture

No exposure standard has been established for this product.  
Exposed individuals are not reasonably expected to be warned, by smell, that the exposure standard is being exceeded.  
If the breathing zone concentration of ANY of the components is exceeded then the individual is deemed to be over exposed.

Component(s) with exposure standards	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Solvent naphtha	-	790	-	-
Toluene	50	191	150	574
2-butoxyethanol	20	96.9	50	242
Xylene	80	350	150	655
Butyl acetate	150	713	200	950
Dibutyl phthalate	-	5	-	-

**Biological Limit Values** No biological limits set for this product.

**Biological Monitoring** Not Required.

**Engineering Controls** Use in a well ventilated area.  
General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in special circumstances. If risk of overexposure exists, wear an approved respirator in compliance with AS1716.

### Personal Protection

**Eyes.** Safety glasses with side shields.  
Chemical goggles.  
Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.  
DO NOT wear contact lenses.

**Hands** Wear chemical protective gloves, e.g. Nitrile or nitrile-butadiene rubber.  
Do not use cotton, leather, PVC, rubber or polyethylene gloves as they will absorb the solvents.

**Protective Clothing** Skin protection not ordinarily required beyond standard issue work clothes.  
Wear safety footwear.

**Respirator** Selection of the Class and Type of respirator will depend on the level of confinement of the contamination. The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Amber liquid
<b>Odour</b>	Hydrocarbon
<b>Vapour pressure</b>	0.87kPa
<b>Vapour density</b>	3.8
<b>Boiling point</b>	157°C
<b>Solubility</b>	Insoluble in water
<b>Density</b>	0.9 Kg/L
<b>Flash Point</b>	50°C

<b>UEL</b>	7.4%
<b>LEL</b>	0.9%
<b>Auto ignition temp</b>	423°C
<b>Percent volatile by weight</b>	90

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**SECTION 10. STABILITY AND REACTIVITY**

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<b>Chemical stability</b>	Product is considered stable.
<b>Conditions to avoid</b>	Ignition sources Presence of incompatible materials.
<b>Incompatible materials</b>	Flammable liquids should not be stored with:- Class 1 – Explosives Class 2 – Flammable gases Class 2.3 – Poisonous gases Class 4.2 – Spontaneously combustible substances Class 5.1 – Oxidising agents Class 5.2 – Organic peroxides Class 7 – Radioactive substances.
<b>Hazardous decomposition products</b>	Carbon monoxide may be evolved if incomplete combustion occurs.
<b>Hazardous reactions</b>	Reacts violently with strong oxidizing agents.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

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Toxicological information for this product is not available. Reference is made, where possible, to the individual constituents.

**Acute Health Effects:****Inhaled.**

Harmful by inhalation. LC<sub>50</sub> (rat) > 20 mg/l/4 hours (toluene). Vapour concentrations above exposure limits may be irritating to the eyes and respiratory tract. May cause headaches and dizziness. Prolonged exposure may result in unconsciousness.

**Skin Contact.**

May cause moderate irritation to skin. Skin irritation studies for rabbit (toluene) > 2000 mg/kg. Will have a degreasing effect on the skin.

**Eye Contact.**

Moderate to severe eye irritant. Vapours may also irritate. Will cause discomfort and may cause redness, itching or blurred vision.

**Swallowed.**

Harmful if swallowed, LD<sub>50</sub> (rat) > 2000 mg/kg (toluene). Can result in irritation, headaches, nausea, vomiting and diarrhoea. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

**Chronic Health Effects:**

Repeat exposure to high doses can affect the nervous system, or may cause liver or kidney damage.

Prolonged contact may cause defatting of the skin which can lead to contact irritant dermatitis.

This product contains Toluene. There is sufficient evidence, from animal studies, to suggest that exposure to toluene shows reason for concern owing to possible developmental toxic effects.

## SECTION 12. ECOLOGICAL INFORMATION

No data available for this product. Refer to data for ingredients below:  
 Expected to be harmful to the aquatic environment. Do not empty into drains.  
 Harmful to terrestrial vertebrates.

### Liquid hydrocarbons:

Fish	: Toxic 1 < LC/EC/IC <sub>50</sub> <= 10 mg/L
Aquatic Invertebrates	: Harmful: 10 < LC/EC/IC <sub>50</sub> <= 100 mg/L
Algae	: Low toxicity: LC/EC/IC <sub>50</sub> > 100 mg/L

### Dibutyl phthalate:

Toxicity to fish LC50 -	<i>Pimephales promelas</i> (fathead minnow) - 0.85 mg/l - 96.0 h
NOEC -	<i>Pimephales promelas</i> (fathead minnow) - 0.32 mg/l - 96.0 h
Aquatic invertebrates LC50 -	<i>Daphnia magna</i> (Water flea) - 3.7 mg/l - 48 h

### Dimethyl glutarate:

Fish LC <sub>50</sub> -	<i>Lepomis macrochirus</i> (bluegill sunfish) - 7.5mg/L - 96.0 h
Aquatic invertebrates EC <sub>50</sub> -	<i>Daphnia magna</i> (Water flea) - 17 mg/l - 48 h
Algae EC <sub>50</sub> -	47mg/L - 72 h

Mobility - Floats on water, highly mobile and may contaminate groundwater.  
 Persistence/degradability - Readily biodegradable. Oxidises by photo-chemical reactions in air.  
 Bioaccumulation - Does not bioaccumulate significantly.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods and containers

Consult State Land Waste Management Authority for disposal.  
 Legislation addressing waste disposal requirements may differ by country, state and/or territory. Each user must refer to laws operating in their area.

### Special precautions for landfill or incineration

Incinerate residue at an approved site.  
 Recycle containers if possible, or dispose of in an approved landfill.  
 Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry.

## SECTION 14. TRANSPORT INFORMATION

UN Number	1263
UN Proper shipping name	PAINT
Class	3 Flammable Liquid
Subsidiary risk	None
Marine Pollutant	Yes - Chronic hazard category 2
Packing Group	III
Special precautions for user	The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing. Before commencing consider the use of mechanical ventilation to control exposure.
Hazchem Code	3[Y]E

## SECTION 15. REGULATORY INFORMATION

### Poison Schedule 5[SUSMP]

#### FIRST AID:

A For advice, contact a Poisons Information Centre, Australia 13 1126; New Zealand 0800 764 766, or a doctor at once.  
 G3 If swallowed, do NOT induce vomiting.

1, 4 & 8 Avoid contact with eyes, skin and avoid breathing dust, vapour or spray mist.

The principal components of this product are included in the Australian Inventory of Chemical Substances (AICS) and comply with the requirements of the Industrial Chemicals (Notification and Assessment) Act 1989.

NZ HSNO Classification: 3.1C 6.1D<sup>oral/inhal</sup> 6.1E<sup>derm</sup> 6.3A 6.4A 6.5B 6.8A 6.9B 9.1B 9.3C

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## SECTION 16. OTHER INFORMATION

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**Date of Preparation:** 29<sup>th</sup> October 2013

**Supersedes:** 18<sup>th</sup> March 2010

### Literature references.

Preparation of Safety Data Sheets for Hazardous Chemicals. *Code of Practice 2011*.

Australian Dangerous Goods Code – 7<sup>th</sup> Edition.

MSDS's for individual raw materials.  
NZ Resene SDS for this product.

HSIS: Hazardous Substances Information System; Search exposure standards.  
<http://hsis.safeworkaustralia.gov.au/ExposureStandards>

Standard for the Uniform Scheduling of Medicines and Poisons. No. 3

Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Third Revised Edition.  
United Nations. New York and Geneva, 2009.

### Abbreviations:

ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail
LD <sub>50</sub>	Median lethal dose
LC <sub>50</sub>	Median lethal concentration.
TWA	Time weighted average
STEL	Short term exposure limit
CAS Number	Chemical Abstract Service registry number
HSNO	Hazardous Substances New Organisms

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**END OF SDS**