

# Safety Data Sheet

## SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	<b>Vinyl Etch</b>
<b>Other Names</b>	PAINT, Product Codes: 42_00__.
<b>Recommended Use</b>	Solvent borne vinyl paint.
<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

**Hazard Statement** HAZARDOUS SUBSTANCE. DANGEROUS GOODS.  
According to the criteria of the Safe Work Australia and the ADG code.

<b>GHS Classification</b>	Flammable Liquid	Category 3
	Specific Target Organ Toxicity – Single Exposure	Category 3
	Toxic to the environment – Acute and Chronic	Category 2

**Label Elements**



**WARNING**

**Hazard Statements** Flammable liquid and vapour  
May cause drowsiness or dizziness  
Toxic to the aquatic environment with long-lasting effects

**Precautionary statements** Keep away from heat/sparks/open flames/hot surfaces  
Keep container tightly closed  
Ground/Bond container and receiving equipment  
Use explosion-proof electrical/ventilating/lighting/.../equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Wear protective gloves/eye protection/face protection and other personal protection as required  
Wash thoroughly after handling  
Avoid breathing vapour/mist/spray  
Contaminated clothing should not be allowed out of the workplace  
Use only outdoors or in a well-ventilated area  
Avoid release to the environment  
Clean up spillage

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion (v/v) %
	Solvent naphtha (petroleum), light aromatic	64742-95-6	10 - < 30
	n-Butyl acetate	123-86-4	10 - < 30
	1-methoxy-2-propanol	107-98-2	10 - < 30
	Isopropanol	67-63-0	10 - < 30
	2-methoxy-1-methylethyl acetate	108-65-6	<10
	Trizinc bis (orthophosphate)	7779-90-0	<10
	Ingredients determined to be non-hazardous	-	balance

### SECTION 4. FIRST AID MEASURES

<b>Swallowed</b>	Rinse mouth with plenty of water then provide liquid slowly and as much as the person can comfortably drink. If swallowed DO NOT induce vomiting. If vomiting occurs, place person on their left side, tilt head back to maintain open airway and to prevent aspiration. Observe patient and seek medical advice.
<b>Eyes</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. If eye irritation persists, get medical advice or attention.
<b>Skin (or hair)</b>	Remove all contaminated clothing and wash before re-use. Wash skin with plenty of soap and water/ shower. If skin irritation occurs get medical advice or attention.
<b>Inhaled</b>	If breathing is difficult, remove to fresh air and keep at rest in a comfortable position for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.
<b>First Aid Facilities</b>	Safety shower and eye wash facilities.
<b>Aggravated medical conditions caused by exposure.</b>	The normal routes of exposure are usually by skin contact with the material and/or inhalation of the vapour. Contact with skin or eyes may cause irritation. Prolonged or repeated skin contact with the liquid may cause sensitisation which may manifest as Allergic Contact Dermatitis and/or asthma. Prolonged or repeated skin contact may also cause defatting of the skin which can lead to Irritant Contact Dermatitis. Inhalation of vapour or mists may cause irritation to the respiratory tract. Vapours may cause drowsiness and dizziness. 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>Advice to Doctor</b>	Basic life support. Treat symptomatically. Watch for signs of respiratory insufficiency and assist ventilation as necessary in the event of an allergic reaction.

### SECTION 5. FIRE FIGHTING MEASURES

<b>Extinguisher</b>	Alcohol stable foam. Dry chemical powder. Carbon dioxide. For large fires - water spray or fog.
<b>Hazards from combustion products</b>	On combustion, this product may emit toxic fumes of carbon monoxide (CO). May emit clouds of acrid smoke.
<b>Special protective</b>	Wear breathing apparatus plus protective gloves.

**precautions and equipment for fire fighters**

Prevent, by any means available, spillage from entering drains or water course.  
DO NOT approach containers suspected of being hot.  
May be violently or explosively reactive.  
Cool fire exposed containers with water spray from a protected location.  
If safe to do so, remove containers from path of fire.

**Hazchem code**

3[Y]

**SECTION 6.****ACCIDENTAL RELEASE MEASURES****Emergency procedures**

Avoid contact with spilled or released material. Avoid breathing vapour and avoid contact with skin and eyes. Control personal contact by using protective equipment. Clean up spills immediately.

**Environmental precautions**

Prevent, by any means available, spillage from entering drains or water course or soil.

**Methods and materials for containment and clean up.****Minor spills**

Contain and absorb small quantities with vermiculate or other non-flammable absorbent material.

Wipe up.

Collect residues in a flammable waste container.

**Major spills**

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.

Use only spark-free shovels and explosion proof equipment.

Collect recoverable product into labelled containers for recycling.

Collect solid residues and seal in labelled drums for disposal.

**SECTION 7.****HANDLING AND STORAGE****Precautions for safe handling**

Use and store in a well ventilated area.

Avoid smoking, naked lights, heat or ignition sources.

When handling, DO NOT eat drink or smoke.

Vapour may ignite on pumping or pouring due to static electricity.

DO NOT use plastic buckets.

Use spark free tools when handling

Always wash hands with soap and water.

Observe proper occupational work practices.

**Conditions for safe storage including any incompatibilities**

Store in a metal can or drum in an approved flammable liquids storage area.

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****TWA****STEL**

	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
<b>Petroleum spirit</b>		480		
<b>n-Butyl acetate</b>	150	713	200	950

<b>1-methoxy-2-propanol</b>	100	369	150	553
<b>2-methoxy-1-methylethyl acetate</b>	50	274	100	548

<b>Peak limitations</b>	No peak limitation has been set for this product or its components.
<b>Biological monitoring</b>	Not required
<b>Personal Protection</b>	
<b>Eyes.</b>	Wear safety goggles. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.
<b>Hands</b>	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 resin and solvents.
<b>Clothing</b>	Standard issue work clothes, e.g. Overalls should be worn, preferably with an apron. Wear safety footwear.
<b>Respirator</b>	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. Refer to AS1716 for selection of appropriate respirator.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Coloured viscous liquid
<b>Odour</b>	Mild solvent odour
<b>pH</b>	Not applicable
<b>Vapour pressure</b>	Not established
<b>Vapour density</b>	>1 (air = 1)
<b>Boiling point</b>	125°C
<b>Freezing Point</b>	Not established
<b>Flash Point</b>	25°C closed cup (n-Butyl acetate)
<b>Solubility</b>	Insoluble in water
<b>Density</b>	Not established
<b>UEL</b>	6.0
<b>LEL</b>	1.6

## SECTION 10. STABILITY AND REACTIVITY

<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>	Oxides of carbon and nitrogen
<b>Hazardous reactions</b>	Hazardous polymerisation will not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

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

### Acute Health Effects:

- Swallowed:** Expected to be of low to moderate toxicity: LD<sub>50</sub>>2000mg/kg, Rat (zinc powder). . Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. May cause irritation to the mouth, throat, oesophagus, and stomach with nausea, abdominal discomfort, vomiting and diarrhoea.
- Eye:** Irritating to eyes causing tearing, stinging, blurred vision and redness. GHS Category 2B.
- Skin:** May cause moderate skin irritation. GHS Category 3.
- Inhaled:** Harmful by inhalation. Inhalation of vapours may cause irritation to the respiratory system. Inhalation of high concentrations may cause central nervous system depression resulting in headaches, dizziness, drowsiness and nausea. Continued inhalation may result in unconsciousness, coma and even death.

### Chronic Health Effects:

Repeat exposure to high vapour doses can affect the nervous system, or may cause liver or kidney damage. Prolonged skin contact may cause defatting of the skin which can lead to Irritant Contact Dermatitis. Prolonged or repeated skin contact may lead to sensitization.

## SECTION 12. ECOLOGICAL INFORMATION

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. This material and its container must be disposed of as hazardous waste. Avoid release to the environment

**Zinc powder** EC<sub>50</sub> values Green Algae, *P. subcapitata* >=1mg/l  
LC<sub>50</sub> values Common Carp >= 0.45 mg/l

### **Solvent naphtha and Xylene**

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

### **Persistence/Degradability and Mobility**

Product is mobile and may contaminate groundwater. Zinc is a heavy metal which will both bioaccumulate and biomagnify in the environment as it is long-lived, mobile, and soluble in fats and is biologically active. The volatile component of this product is rapidly degraded in the atmosphere and will not bioaccumulate significantly.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods and containers** Consult State Land Waste Management Authority for disposal. This material and its container must be disposed of as hazardous waste.

**Special precautions for landfill or incineration** Incinerate residue at an approved site. Recycle containers if possible, or dispose of in an approved landfill.

**SECTION 14. TRANSPORT INFORMATION**

<b>UN Number</b>	1263
<b>UN Proper shipping name</b>	PAINT
<b>Class</b>	3 Flammable Liquid
<b>Subsidiary risk</b>	None
<b>Packing Group</b>	III
<b>Marine Pollutant</b>	Yes
<b>Special precautions for user</b>	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.
<b>Hazchem Code</b>	3[Y]

**SECTION 15. REGULATORY INFORMATION**

## Safety directions:

- 1 Avoid contact with eyes
- 4 Avoid contact with skin
- 8 Avoid breathing vapour

## First aid instructions:

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

The hazardous components listed in Section 3 of this SDS appear in the Australian Inventory of Chemical Substances (AICS) database.

**SECTION 16. OTHER INFORMATION**

**Date of Preparation:** 28<sup>th</sup> May, 2013.

**Supersedes:** 16<sup>th</sup> May, 2012

**Literature references.**

AICS Search page – NOHSC <http://www.nicnas.gov.au/industry/aics/search.asp>

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

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

SDS's for individual raw materials.

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

Standard for the Uniform Scheduling of Medicines and Poisons. No. 2

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

NOHSC National Occupational Health and Safety Commission

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

*Safety data sheets are updated frequently. Please ensure that you have a current copy.*

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**END OF SDS**