Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name **Qristal Polygloss**
Other Names PAINT. Product Code: 252
Recommended Use Solvent based varnish.

Company Name Resene Paints (Australia) Limited.
Address 7 Production Avenue
Molendinar, Queensland 4214.

Emergency Tel Available Monday – Friday, 8:00 a.m. – 5:00 p.m.
Free Call 1800 738 383
Phone 07 3287 0222
Fax 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.

GHS Classification

Flammable Liquid	Category 3
Skin Corrosion/Irritation	Category 2

Label Elements

WARNING

Hazard Statements
Flammable liquid and vapour.
Causes skin irritation.

Precautionary statements
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion (v/v) %
Alkyd resin	Proprietary	30 – 60
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	10 - < 30
Solvent naphtha (petroleum), light aromatic	64742-95-6	10 - < 30
Mineral turpentine	Mixture	< 10
Ingredients determined not to be hazardous	-	balance

SECTION 4. FIRST AID MEASURES

Swallowed	Immediately call a POISON CENTRE or doctor. Do NOT induce vomiting.
Eyes	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.
Skin (or hair)	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.
Inhaled	Remove victim to fresh air and keep at rest in a comfortable position for breathing. See medical advice if you feel unwell.
First Aid Facilities	Safety shower and eye wash facilities.
Aggravated medical conditions caused by exposure.	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 Irritant Contact Dermatitis. Inhalation of vapour or mists may cause irritation to the respiratory tract. May be harmful in contact with skin or inhaled. 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.
Advice to Doctor	Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Extinguisher	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.
Hazards from combustion products	On combustion, this product may emit toxic fumes of carbon monoxide and carbon dioxide. May emit clouds of acrid smoke. Vapours are heavier than air and can spread along the ground to distant ignition sources causing flashback.
Special protective precautions and equipment for fire fighters	Wear full protective clothing and self contained breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. DO NOT approach containers suspected of being hot. They 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. May pose a long term hazard to the aquatic environment.
Methods and materials for	**Minor spills**

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

Major spills
Clear area of personnel and move upwind.
Alert fire brigade and tell them location and nature of hazard.
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.

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 strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards for mixture

No exposure standard has been established for this product.
The petroleum solvent products listed in the ingredients have not been assigned National Exposure Standards. However, as a guide for controlling exposure, the exposure standards for the petroleum solvent mixtures listed below should be adopted.
Exposed individuals are not reasonably expected to be warned, by smell, that the exposure standard is being exceeded.

Component	Breathing Zone (TWA) ppm	Breathing zone (TWA) mg/m^3	Mixture conc: (%)
White Spirits	-	790	30 - 60
Mineral Turpentine	-	480	<10

Biological Limit Values No biological limit allocated

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 Protective Equipment

Eyes. Safety glasses with side shields; or as required, Chemical goggles.
Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

Hands/Feet Wear chemical resistant gloves.
Wear safety footwear.

Protective Clothing Skin protection not ordinarily required beyond standard issue work clothes.

Respiratory Protection If work practices do not maintain airborne levels below exposure standards, use appropriate respiratory protection equipment as specified in AS1716. Selection of the Class and Type

of respirator will depend on the level of confinement of the contamination.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear amber liquid
Odour	Solvent odour
pH	Not applicable
Vapour pressure	5.2kPa
Vapour density	3.7
Boiling point	137°C
Freezing/melting point	Data not available
Solubility	Insoluble in water Soluble in Mineral Turps
Density	Not known
Flash Point	31°C
UEL **LEL**	Not established
VOC	56% by weight

SECTION 10. STABILITY AND REACTIVITY

Chemical stability Product is considered stable.

Conditions to avoid Ignition sources
Presence of incompatible materials.

Incompatible materials 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 – Oxidizing agents
Class 5.2 – Organic peroxides
Class 7 – Radioactive substances.

Hazardous decomposition products Oxides of Carbon and Nitrogen.

Hazardous reactions Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

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

<u>Acute Health Effects</u>:

Inhaled.

Inhalation of vapours or mists may cause irritation to the respiratory system.

Skin Contact.

Mild irritant. Dermal LD_{50} (rat) : >2,000 mg/Kg (solvent naphtha).

Swallowed:

Expected to be of low toxicity: LD50>2000mg/kg, Rat (Solvent Naphtha). 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:

May cause eye irritation, tearing, stinging, blurred vision and redness.

Chronic Health Effects:

Prolonged skin contact with the liquid may cause defatting of the skin. This can result in drying, cracking and irritation of the skin. Long term use may result in Dermatitis.
Inhalation of solvent over an extended period may result in nervous system impairment and liver and blood changes.

SECTION 12. ECOLOGICAL INFORMATION

No data available for this product. Refer to data for ingredients below:
Expected to be hazardous to aquatic organisms. Avoid release to the environment.

Solvent naphtha

Fish	: Toxic 1<LC/EC/IC_{50} <= 10 mg/L
Aquatic Invertebrates	: Toxic 1<LC/EC/IC_{50} <= 10 mg/L
Algae	: Toxic 1 <LC/EC/IC_{50} > 10 mg/L

Mobility - Floats on water. Absorbs to soil and has low mobility.
Persistence/degradability – Expected to be readily biodegradable. Oxidizes by photo-chemical reactions in air.
Bioaccumulation – Has the potential to bioaccumulate.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods and containers	Consult State Land Waste Management Authority for disposal.
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

UN Number	1263
UN Proper shipping name	PAINT.
DG Class	3 Flammable Liquid
Subsidiary risk	None
Packing Group	III
Marine Pollutant	No
Hazchem Code	3[Y]

SECTION 15. REGULATORY INFORMATION

Poison Schedule 5

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.

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

The principle components of this material are listed on the Australian Inventory of Chemical Substances (AICS).

NZ HSNO CCID: 3.1C 6.3A 6.4A 6.8A 6.9B 9.1C
NZ EPA Approval: HSR002662 Surface Coatings & Colorants (Flammable)

SECTION 16. OTHER INFORMATION

Date of Preparation: 7th November 2012

Supersedes: 4th May 2010

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 – 7th Edition.

SDS's for individual raw materials.

National Exposure Standards for Atmospheric Contaminants in the Occupational Environment. [NOHSC: 1 03(1995)]

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:

NOHSC	National Occupational Health and Safety Commission
ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail
LD_{50}	Median lethal dose
LC_{50}	Median lethal concentration.
TWA	Time weighted average. The average airborne concentration of a particular substance when calculated over a normal 8 hour working day, for a five-day working week.
STEL	Short term exposure limit. A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL.
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