

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: QRISTAL CLEARFLOOR 2K GLOSS HARDENER
Other Names: formerly Clearfloor 2K Gloss Hardener
Recommended Use: Part B of a 2 pack waterborne polyurethane
Company Name: Resene Paints Limited New Zealand **Address:** 32-50 Vogel Street, Naenae, Wellington, NEW ZEALAND
P O Box 38242, Wellington Mail Centre
Phone: (04) 577 0500 Fax: (04) 577 0600
Resene Paints Limited Australia **Address** 7 Production Avenue, Molendinar, Queensland 4214
P O Box 785, Ashmore City, Queensland 4214
Phone 1800 738 383 AUSTRALIA

Emergency Telephone:

New Zealand 0800 737 363 Available Monday - Friday 8.00am - 4.30pm

New Zealand Poisons Centre: 0800 764 766

Australia 1800 738 383

Australian Poisons Centre: 131 126

SECTION 2. HAZARDS IDENTIFICATION

Hazard Classificaton HAZARDOUS according to NZ HSNO Regulations
Regulated under NZS5433 for land transportation

Risk Phrases Not assigned

Safety Phrases Not assigned

Substance Classification 3.1B 6.1E 6.3B 6.5A 6.5B

Hazard Statements Highly flammable liquid and vapour
May be harmful if swallowed
Causes mild skin irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENT

Ingredients	%	CAS No	TWA	
Polymeric Hexamethylene diisocyanate	>60	28182-81-2	None Establish	
n-Butyl Acetate	10-30	123-86-4	713 mg/m ³	NZ OSH (WES) 1994
Hexamethylene diisocyanate	<0.2	822-06-0	0.02 mg/m ³	NZ OSH (WES) 2002

SECTION 4. FIRST AID MEASURES

Eyes Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists get medical attention/advice.

Swallowed: Rinse mouth. DO NOT induce vomiting.

Skin Remove/take off all contaminated clothing and wash before re-use. Wash skin with water/shower and plenty of soap. If skin irritation occurs get medical advice/attention.

Inhaled IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breath

Aggravated medical conditions caused by exposure

Chronic Health Effects Not Identified

Advice to Doctor Treat symptomatically

SECTION 5. FIRE FIGHTING MEASURES

Extinguisher Foam, Carbon Dioxide, Dry Chemical

Hazards from combustion products

Special protective precautions and equipment for firefighters

Fire/Explosion Hazard	Auto Ignition Temperature	Lower Explosion Limit	Upper Explosion Limit
Hazchem Code	Flash Point	421°C	1.7%
3(Y)E	22°C		7.6%

SECTION 6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Keep spectators away and avoid breathing dust or vapours

Methods and materials for containment and clean up

Minor Spills Use absorbent clean up materials, such as fire retardant treated sawdust or diatomaceous earth.

Keep spills (and as much as possible cleaning runoffs) out of municipal sewers and waterways.

Wear protective clothing and breathing apparatus.

Sweep up.

Place in separate container for disposal or recovery.

Clean up spills immediately.

Major Spills Dike and contain spill with inert materials (eg. Sand).

Keep spills (and as much as possible cleaning runoffs) out of municipal sewers and open bodies of water.

Restrict access to area. No smoking or naked lights.

Clear area of personnel and move upwind.

Alert Fire Brigade and tell them location and nature of hazard.

Consider evacuation (or protect in place).

Stop leak if safe to do so.

Collect recoverable product into labelled containers for recycling.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling Avoid damaging containers. Keep lids on containers when not in use

Conditions for safe storage including any incompatibilities Not identified

Storage Temperatures Min 10°C Max 40°C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards for mixture No exposure standards has been established for this product

Component	Breathing Zone ppm	Breathing Zone mg/m ³
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Personal Protection

Eye: Safety eyewear with splash guards or side shields to prevent eye contact is recommended when using any paint.

Hands/Feet Protective clothing. Gloves of neoprene or nitrile rubber - Industrial weight lined gauntlet recommended.

Other Overalls, impervious clothing, barrier cream, eyewash unit, skin cleansing cream.

Practice good caution and personal cleanliness to avoid skin contact. Avoid breathing vapours of heated materials. Wash hands thoroughly before handling food.

Respirator Air fed respirator

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear viscous liquid

Odour	pH	Vapour Pressure	Vapour Density	Boiling Point	Melt Freeze	Solubility	Volatile by Weigh
Ester	n/a	1.33 kPa	4.0	128°C	-77°C	Immiscible	15

SECTION 10. STABILITY AND ACTIVITY

Chemical Stability Product is considered stable under normal storage and handling conditions.

Conditions to Avoid Freezing, excessive heat and changes in temperature

Incompatible Materials

Hazardous decomposition product Oxides of carbon and nitrogen

Hazardous reactions Hazardous polymerisation will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

No data available for this product

Component	Oral:LD50 mg/k	Dermal:LD50 mg/k	Inhale:LC50 pp
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SECTION 12. HAZARDS IDENTIFICATION

No data available for this product

Do not allow the product to enter the environment

Component	Fish:LC50 mg/Lt	BCF:<100 Kow
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SECTION 13. DISPOSAL CONSIDERATIONS

Special precautions for landfill or incineration

Consult manufacturer for recycling options and recycle where possible

Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed

SECTION 14. TRANSPORT INFORMATION

Transport only in accordance with the following regulations

UN Number	1263
Proper Shipping Name	Paint related product
Subsidiary Risk	
Poison Schedule	
Packing Group:	II
Class	3
HAZCHEM Code	3{Y}E

Special precautions for user**SECTION 15. REGULATORY INFORMATION**

Group Standard HSR002662 Surface Coatings & Colourants (Flammable)

Approved Handler Class 3.1B required for quantities greater than 250Lt (containers greater than 5Lt capacity) or greater than > 500Lt (containers less than 5Lt capacity)

SECTION 16. OTHER INFORMATION

Date of Preparation	31/03/2011
Literature references	MSDS's for individual raw material
Abbreviations:	
NOHSC	National Occupational Health and Safety Commission
TWA	Time weighted average
STEL	Short term exposure limit
CAS Numbe	Chemical Abstract Service registry number
TLV	Threshold limit value
Marine Pollutant	Marine Pollutant <input type="checkbox"/>

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

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