



HiGuard Roof 100% Acrylic Roof Coating

Identification

Product name	HiGuard Roof
Other names	Exterior Acrylic
Product code	HGR
Uses	Decorative architectural coating
Group standard	Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2006 – HSR002670
U.N. number	Not applicable
Dangerous goods class	Not applicable
Hazchem code	Not applicable

Physical description/properties

Appearance	Viscous liquid, wide colour range. Slightly ammoniacal odour.
Boiling point/melting point	100°C
Vapour pressure	Not measured, similar to water
Specific gravity	1.30–1.40
Flash point	Not flammable in liquid state
Flammability limits	Not flammable in liquid state
Solubility in water	Infinitely dilutable

Ingredients

Ingredient	Cas No	approx %
Acrylic polymer	none assigned	40–50
Inorganic pigments	variable mixture	20–30
Zinc phosphate	7779-90-0	2.5–5.5
Wollastonite	13983-17-0	1.5–4.0
Propylene Glycol	57-55-6	1.5–3.0
Zinc Oxide	1314-13-2	0.8–2.0
Stronium phosphate	13450-99-2	0.4–1.0
Rheology modifiers	mixture	0.25–1.0
Manufacturing aids	mixture	0.25–1.0
In can preservatives	various	0–0.12
Water and solvents	various	to 100%

Health hazard information

Health effects

Skin	Irritating to skin upon repeated or prolonged contact.
Eyes	Moderately irritating to eyes.
Inhaled	Vapour or mist is irritating to mucous membranes and respiratory system. Excessive inhalation can cause headache, nausea, dizziness, or asphyxiation.
Swallowed	Can be harmful if swallowed.
Long term hazard	None anticipated with this product.

First aid

Skin	Wash paint deposits off skin with soap and water.
Eyes	Flush eyes immediately with plenty of water for at least 15 minutes and get medical attention.
Inhaled	Provide fresh air; give oxygen or artificial respiration if breathing laboured.
Swallowed	Consult Physician immediately. If swallowed dilute by giving two glasses of water to drink. Do not induce vomiting. Do not administer anything by mouth to an unconscious person.
Advice to Doctor	Treat symptomatically

Precautions for use

Personal protection

Skin	Wear impervious neoprene, nitrile or PVC gloves – NZS 5812:1982 4.5.2(b). Wash paint deposits off skin with soap and water.
Eyes	Moderately irritating to eyes – wear splash proof goggles to protect eyes – AS/NZS 1337:1992. Flush eyes immediately with plenty of water if paint splashes to the eyes occur. If discomfort persists seek medical attention.
Breathing	Wear a mask when spraying as inhalation of mists may produce respiratory irritation – half face piece, class P1 particulate filter AS/NZS 1716:1994.
Ventilation	Sufficient ventilation should be provided to reduce air contaminant concentrations.

Safe handling information

Storage and transport

Storage Temperature	Minimum: 1°C Maximum: 40°C. Store cool at constant temperature.
Container	Polypropylene and/or high density polyethylene pails and lids.
Incompatible substances	Strong oxidizers, acids, alkalis.
Conditions to avoid	Freezing, excessive heat and changes in temperature.
Hazardous polymerisation	Will not occur.
Usual decomposition products	Oxides of carbon and nitrogen.

Spills

Keep spectators away, avoid breathing vapours and walking in spillage to prevent slipping. Contain spill with sand or similar materials. Transfer spilt liquid and containment material to separate containers for disposal. Keep spills and clean up materials out of storm water and open bodies of water.

Disposal

Incinerate the dried liquid spill and containment material at a permitted facility or otherwise dispose of in accordance with local regulations.

Fire/explosion hazard

Flash point	>100°C
Auto ignition temperature	Not known
Upper explosion limit %	Not known
Lower explosion limit %	Not known
Extinguishing media	Foam, carbon dioxide, dry chemical, water.
Special fire fighting procedures	None. Material can splatter above 100°C. Dry film can burn.

Other information

Wear a mask when sanding or grinding of the dry coating to prevent inhalation of dust produced.

Contact point (24 hours)

In New Zealand	ph 09 912 8474
International	ph +64 9 912 8474
Australia	ph 1 800 259 783