



MSDS Summary Information

Issue: July 12

PRODUCT: Infracote High Gloss Membrane (Clear Base)

Other Names: Water-based roof coating

Uses: Coating applications

UN No.:	NR
Dangerous Goods Class:	NR
Subsidiary Risk:	None
Packing Group:	NR
Hazchem Code:	NR
Poisons Schedule:	5

Hazardous Nature:	This product is not classified as hazardous according to SafeWork Australia criteria.
Exposure Standards:	TWA: Not specified: consider 2 mg/m ³ ; STEL: Not specified: consider 2 mg/m ³ ; Peak Limitation (if any): None; Skin Sensitiser (if any): none. Refer to Section 8 for further information and definitions.

Physical Characteristics (Typical)		Section 9 of the MSDS
Appearance	Milky liquid	
Boiling Point/Range (°C):	> 100	
Flash Point (°C):	No data available	
Specific Gravity/Density (g/ml @ 15°C):	1.1 – 1.2	
pH:	8 – 9	
Chemical Stability:	Stable at room temperature and pressure	
Reactivity:	Excessive heat, oxidising agents	

Product Ingredients			Section 3 of the MSDS
<u>Ingredient</u>	<u>CAS Number</u>	<u>Proportion</u>	
Acrylic Resin	various	> 60	
Water	7732-18-5	> 20	
Surfactants	various	< 5	

For further ingredients information, please refer to the full MSDS

Risk Phrases	Section 2 of the MSDS
Not Hazardous: intentionally left blank	

DEFINITIONS

Dangerous Goods	Products that are regulated for transport by Road and Rail under the national guide are Dangerous Goods. Products can be classed as Dangerous Goods if they have a flash point below 60.5°C, a pH below 3 or above 11, are explosives or toxic. These goods will be allocated a UN No., Packing Group, Hazchem Code, and possibly a subsidiary risk.
Hazardous Substances	Hazardous Substances are those products that are intrinsically hazardous by nature, rather than by misuse. These include mutagens, teratogens, carcinogens, products that are toxic (but not sufficiently toxic to be classed as Dangerous Goods or carry a subsidiary risk), and products that pose environmental risks.
Poisons	Poisons are products that are regulated by the dose or exposure, often having physical and chemical effects at certain concentrations particular to the nature of the product. For example, in small doses, some products are harmless, but with increased concentration or exposure these products can be extremely harmful. The classification indicates First Aid, etc.



INFRACOTE HIGH GLOSS MEMBRANE (CLEAR BASE)

1. IDENTIFICATION

Product Name: Infracote High Gloss Membrane (Clear Base)
Other Names: Water-based roof coating
Chemical Family: Acrylic coating
Molecular Formula: Not available
Recommended Use: Coating applications
Supplier: Globalcote Pty Ltd.
ABN: 52 893 030 286
Address: 14/7 Grant Street, CLEVELAND QLD 4163
Telephone: (07) 3286 4000
Fax: (07) 3286 4044
Emergency Phone: 1300 928 826
All other inquiries: 1300 928 826

2. HAZARDS IDENTIFICATION

Hazard Classification

This product is not classified as hazardous according to SafeWork Australia criteria.

Hazard Category

This section is intentionally left blank

Risk Phrases

Not Hazardous: intentionally left blank

Safety Phrases

Not Hazardous: intentionally left blank

Dangerous Goods Classification NR

Poisons Schedule 5

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS Number	Proportion (% v/v)
Acrylic Resin	various	> 60
Water	7732-18-5	> 20
Surfactants	various	< 5
Antifungal agents	various	< 0.5
pH adjuster	various	< 0.5

4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.

Ingestion

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

Eye Contact

Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.

Skin Contact

Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

Inhalation

Using proper respiratory protection, immediately remove the affective victim from exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Seek immediate medical attention.



INFRACOTE HIGH GLOSS MEMBRANE (CLEAR BASE)

First Aid Facilities

Provide eye baths and safety showers.

Medical Attention

Treat according to symptoms. Avoid gastric lavage: this product causes lung damage if aspirated to the lungs.

5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress providing fire fighters with this Material Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable Extinguishing Media

Dry chemical or foam

Hazards from combustion products

Carbon dioxide, carbon monoxide

Precautions for fire fighters and special protective equipment

Fully self-contained breathing apparatus

Hazchem Code NR

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours or dusts from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and materials for containment

Major Land Spill

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard, where present.
- Prevent product from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled product using the resources in the spill kit.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See "First Aid Measures" and "Stability and Reactivity"

Major Water Spill

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard, where present.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See "First Aid Measures" and "Stability and Reactivity".

7. HANDLING AND STORAGE

Precautions for Safe Handling

This product will fuel a fire in progress and create toxic vapours on heating. This product is slippery when spilt. Wear appropriate PPE: safety glasses and coveralls. Employ standard industrial hygiene practices when handling.



INFRACOTE HIGH GLOSS MEMBRANE (CLEAR BASE)

Conditions for Safe Storage

Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers - residual vapours are combustible. This product will fuel a fire in progress.

Incompatible Materials

Heat, oxidisers

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: Not specified: consider 2 mg/m³, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short term exposure limit (STEL) is: Not specified: consider 2 mg/m³, which is the maximum allowable exposure concentration at any time. Replacing a TWA or STEL value for some products is a Peak Limitation value (Peak): None applies in this case. In addition to the exposure concentrations may be a subsidiary caution in such cases where the product is a skin sensitiser, represented as (Sen), where none applies in this case.

Biological Limit Values (BLV)

None specified

Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof equipment.

Personal Protective Equipment

Respiratory Protection: Where concentrations in air may approach or exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type 'A' filter material is considered suitable for this product.

Eye Protection: Always use safety glasses or a face shield when handling this product.

Skin/Body Protection: Always wear long sleeves, long trousers, or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves be worn when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical Value
Appearance	None	Milky liquid
Boiling Point/Range	°C	> 100
Flash Point	°C	No data available
SG/Density (@ 15°C)	g/ml; kgm ⁻³	1.1 – 1.2
Vapour Pressure @ 20°C	kPa	No data available
Vapour Density @ 20°C	g/ml; kgm ⁻³	No data available
Autoignition Temperature	°C	No data available
Explosive Limits in Air	% vol/vol	No data available
Viscosity @ 20°C	cPs, mPas	50 cPs
Percent volatiles	% vol/vol	> 80
Acidity/alkalinity as pH	None	8 – 9
Solubility in Water	g/l	Soluble in water
Other solvents	-	Not determined



INFRACOTE HIGH GLOSS MEMBRANE (CLEAR BASE)

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Technical Data Sheet.

10. STABILITY AND REACTIVITY

Chemical stability

Stable at room temperature and pressure

Conditions to avoid

Excessive heat, oxidising agents

Hazardous decomposition products

Carbon dioxide, carbon monoxide, oxides of nitrogen and chloride complexes

Hazardous reactions

Heat, oxidising agents

Hazardous polymerisation

Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

This material will cause discomfort on swallowing. Ingestion of large amounts will result in gastric disturbances, irritation to the oesophagus, throat and stomach. Avoid gastric lavage as material may be atomised and cause lung damage.

Eye Contact

Eye contact with this product will cause redness and swelling with a burning sensation and blurred vision.

Skin Contact

Contact with skin will result in mild irritations. Some defatting, itching and redness is likely in these situations.

Inhalation

This material has low vapour concentrations at ambient temperatures. Inhalation of mists will result in nausea and headaches and can result in lung damage.

Chronic Effects

Persons with pre-existing skin or respiratory conditions may be sensitive to this product. If PPE precautions are observed, there is little likelihood of overt health effects.

Other Health Effects Information

There are no known long term health effects with this product.

Toxicological Information

Oral LD₅₀: No data available

Dermal LD₅₀: No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity:

Fish Toxicity LC₅₀: No data available

Daphnia Magna EC₅₀: No data available

Blue-green algae: No data available

Green algae: No data available

Persistence/Biodegradability: This product is expected to degrade on exposure to light and air.

Mobility: This product is soluble in water and is expected to be mobile on dilution. This presents a risk of contamination of grasslands, waterways and sewers on release to the environment.



INFRACOTE HIGH GLOSS MEMBRANE (CLEAR BASE)

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain product residue that may be harmful. Ensure that empty packaging is managed in accordance with Dangerous Goods regulations.

Special Precautions

This product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product should be treated and disposed through chemical waste treatment, or considered for recycling.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	NR	UN No.	NR	UN No.	NR
Proper Shipping Name	Acrylic Coating	Proper Shipping Name	Acrylic Coating	Proper Shipping Name	Acrylic Coating
DG Class	NR	DG Class	NR	DG Class	NR
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Packing Group	NR	Packing Group	NR	Packing Group	NR
Hazchem	NR	Hazchem	NR	Hazchem	NR

Dangerous Goods Segregation

This product is not regulated for transport by Road and Rail.

15. REGULATORY INFORMATION

Country/Region: Australia

Inventory: AICS

Status: Ingredients Listed

Poisons Schedule: 5

16. OTHER INFORMATION

Reasons for Issue: New manufacturer information; changes and updates in multiple sections.

Abbreviations:

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

IARC: International Agency for Research on Cancer

ASCC: Australian Safety and Compensation Council

PPE: Personal Protective Equipment

N/R: Non-regulated

N/A: Not applicable



INFRACOTE HIGH GLOSS MEMBRANE (CLEAR BASE)

References:

- Supplier Material Safety Data Sheets
 - <http://hsis.ascc.gov.au/SearchHS.aspx> (3 July 2012)
 - Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (3 July 2012)
 - Ecotoxicology data: http://cfpub.epa.gov/ecotox/quick_query.htm (3 July 2012)
 - *Sax's Dangerous Properties of Industrial Materials*, Richard J Lewis Snr., pub. Canada (2005)
-

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Globalcote Pty Ltd.
