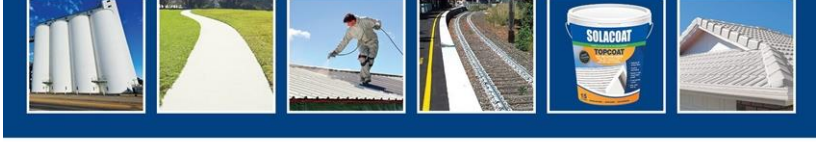

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NON-HAZARDOUS ACCORDING TO NOHSC CRITERIA

*1. Identification of the substance/ preparation and the company

SOLACOAT HEAT REFLECTIVE NON-SLIP WATERPROOF CONCRETE PAVEMENT COATING

Product Line:

Product Code:

Application:
Spraying grade of water-based acrylic, non-slip coloured coating range for the painting of paved areas.

Supplier:	Coolshield International Pty Ltd	ABN	12 102 333 577
Address:	P.O. Box 882, Ocean Grove Victoria 3226 Australia		
Postal Address:			
Contact:	Telephone: +61 1300 699 188 Email: info@solacoat.com.au or wendy@coolshield.com.au		

2. Hazards identification

Health Hazard Classification
This product is classified as non-hazardous under NOHSC criteria.

Hazard Category
Not applicable.

Risk Phrases
R36/37/38 Irritating to eyes, respiratory system and skin.
R65 Harmful: May cause lung damage ifswallowed.

Safety Phrases
S3/7/9 Keep container tightly closed in a cool, well ventilated place.
S24/25 Avoid contact with skin and eyes.

Dangerous Goods Classification
Not applicable.

Poisons Schedule
Not applicable.

3.3. Composition: Information on Ingredients

Ingredient	CAS No.	Proportion % v/v
Acrylic co-polymer emulsion	Not regulated	30 - ≤ 60
Pigments – non-hazardous	Various	0 - ≤ 30
Propylene glycol	57-55-6	10 - ≤ 30
Preservative – non formaldehyde type		1 - ≤ 10
Additives	Various	< 5
Water	7732-18-5	Remainder

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4. First Aid Measures

For advice, contact Poisons Information Centre (Phone Australia: 13 11 26) or a doctor.

Ingestion
If swallowed, and if more than 15 minutes from a hospital or medical centre induce vomiting preferably using Ipecac Syrup APF. Keep at rest. Seek immediate medical attention. DO NOT INDUCE VOMITING IN AN UNCONSCIOUS PERSON.

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

Skin Contact
Wash affected areas with soap and water or suitable skin cleansing cream. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

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

First Aid Facilities
Provide eye baths and safety showers.

Medical Attention
Treat according to symptoms.

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. NOTE: This product is not flammable unless strongly heated in an existing fire.

Suitable extinguishing media
Water.

Hazardous products from combustion
Carbon dioxide and carbon monoxide.

Precautions for fire fighters and special protective equipment
Full protective clothing and self-contained breathing apparatus.

Hazchem Code
None.

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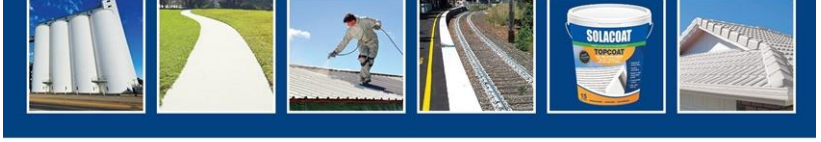
6. Accidental Release Measures

Emergency Procedures
Prevent fluid from escaping to drains and waterways. Contain leaking packaging in a containment drum or dam constructed of inert material eg sand or other approved material. Prevent vapours 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

- Prevent liquid from entering sewers, watercourses or low-lying areas.
- Keep the public away from the area.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.

(to be continued)



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6. Accidental Release Measures (continued)

- Take measures to minimise the effect on ground water.
- Contain the spilled liquid with sand or earth.
- Recover by pumping – use 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 Measure” and “Stability and Reactivity” sections.

Major Water Spill

- 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 Measure” and “Stability and Reactivity” sections.

7. Handling and Storage

Precautions for safe handling

This product is non -flammable. Keep container closed. Handle containers with care. Open slowly to control possible pressure release.

Conditions for safe storage

Store in a cool, dry place away from direct sunlight. Keep out of the reach of children.

Incompatible materials

Acids, Oxidising Agents or Chemicals.

8. Exposure Controls: Personal Protection

National Exposure Standards

The time weighted average concentration (TWA) for this product is: None specified - 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: None specified, which is the maximum allowable exposure concentration at any time.

Biological limit values

None established.

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 ventilation equipment.

Personal Protective Equipment

Respiratory Protection

Where concentrations in air may 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. It is recommended that a suitable dust mask and eye protection are worn when sanding the dried film of paint coating.

Eye protection

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

Skin/ Body Protection

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

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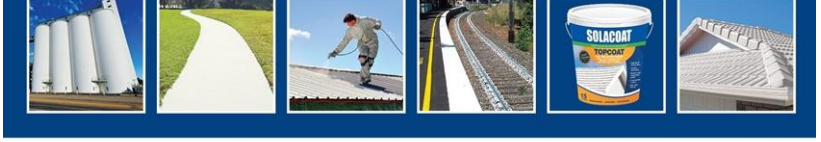

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8. Exposure controls/ Personal protection (continued)

Protection and hygienic measures
Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at the end of work. Keep working clothes separate. Take off immediately any contaminated clothing.

Flammability
Product is non-flammable. However, it will burn when strongly heated in an existing fire.

9. Physical and chemical properties

Property	Unit of measurement	Typical value
Appearance	-	Coloured liquid
Boiling Point/ Range	°C	100 (Water)
Flash point	°C	Non-flammable
Density @ 25°C	g/ ml	1.00 – 1.30
Vapour Pressure @ 20°C	kPa	Water
Explosive Limits (LEL – UEL)	%	Not applicable
Vapour Density @ 20°C	kPa	Not available
Auto-ignition Temperature	°C	Not applicable
Viscosity @ 25°C	Seconds	Not applicable
Percent volatiles	%	40 – 60
Solubility in water	% w/w	Miscible

Remarks: The values for density and viscosity are guide values.

10. Stability and reactivity
Chemical stability
Stable under normal conditions of use.

Conditions to avoid
Sources of heat and ignition, open flames.

Hazardous decomposition products
No hazardous decomposition products when stored and handled correctly except on burning. See “Fire Fighting Measures”.

Hazardous reactions:
Oxidizing agents, mineral acids, halogenated organic compounds.

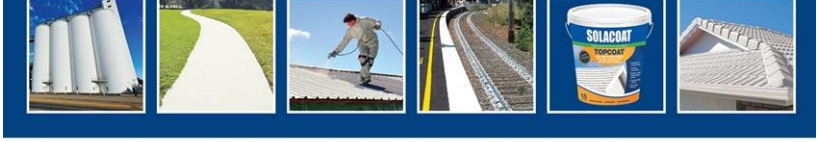
11. Toxicological information
Health Effects:
Acute:

Swallowed: May cause irritation to the throat, mouth and digestive tract. Large doses may cause drowsiness and may lead to unconsciousness. Aspiration of liquid into lungs may cause serious (even fatal) pneumonitis.

Eye: Irritant, both by contact and vapour.

Skin: Irritant, both by contact and vapour. Prolonged exposure may result in dryness and cracking.

(to be continued)



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11. Toxicological Information (continued)

Inhaled: Vapour is irritating to mucous membranes and respiratory tract. Can cause dizziness, headaches, nausea and may lead to unconsciousness. Prolonged exposure to vapour may cause damage to the central nervous system.

Chronic: Principal routes of exposure are usually by skin contact with the material and inhalation of vapour/ spray mist. Prolonged or repeated skin contact may cause drying and/or cracking with irritation and possible dermatitis following. As with any chemical product, contact with unprotected bare skin; inhalation of vapours, mist or dust in a work place environment; or ingestion in any form should be avoided by observing good occupational work practices.

Advice to Doctor: Treat symptomically.

12. Ecological information

Aquatic Toxicity

Fish Toxicity (rainbow trout, goldfish, and bluegill)

LC_{50} (96 hr): Based on data for similar components or preparations, this product is expected to be toxic to aquatic organisms.

Daphnia Magna EC_{50} (48 hr):

Long term adverse effects to aquatic organisms are possible if continuous exposure is maintained.

Remark:

On the basis of the data for ecotoxicological effects, the substance can be classified as non-critical to aquatic organisms in the water-soluble range. As the substance is not readily biodegradable, long retention times in water are to be expected. This applies only in cases where no other elimination mechanisms (photodegradation, hydrolysis, adsorption) are active. However, as there is no ecotoxic effect, no damage to the ecosystem is to be expected.

Do not allow to escape into waterways, waste water or soil.

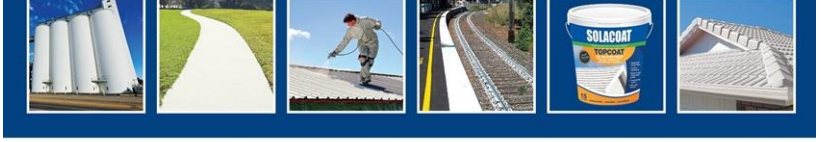
13. Disposal considerations

The relevant local, regional and national regulations must be complied with. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the national authority. It is recommended that details be worked out with the waste disposal company responsible.

The waste can be disposed of in a suitable incinerator or approved landfill site, provided that national/ local legislation is complied with.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Once the product residues adhering to the walls of the containers have been rendered harmless, the product and hazard labels must be invalidated. Containers must be recycled in compliance with national and environmental regulations.



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2023 SDS For: SOLACOAT HEAT REFLECTIVE NON-SLIP WATERPROOF CONCRETE PAVEMENT COATING

***14. Transport information**

Non-hazardous Good according to ADG Code (7th Edition) Hazchem: None

GGVSE:	UN No: None	PG:	None	SP:	
RID/ ADR:	UN No: None	PG:	None	SP:	
Warning sign:	Hazard No. None	UN No.	None		
ADNR:	UN No: None	PG:	None	SP:	
GGVSee/ IMDG:	UN No:	PG:	None	MPO:	
ICAO-TI/ IATA-DGR:	UN No:	PG:	None		

Declaration for land shipment: PAINT
Declaration for sea shipment: PAINT
Declaration for shipment by air: PAINT
Limited quantity regulations applicable in accordance with chapter 3.4 RID/ ADR in compliance with threshold value.
Other information:
Keep dry. Keep separated from foodstuffs.

15. Regulatory Information

Not a scheduled poison under SUSDP.
Labelling as required by Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3), in accordance with Australian requirements.
Symbol: Xi, Hazard description: Irritant

R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R65	Harmful: May cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness and cracking.
R67	Vapours may cause drowsiness and dizziness.
S3/7/9	Keep container tightly closed in a cool, well ventilated place.
S24/25	Avoid contact with skin and eyes.
S51	Use only in well ventilated areas.
S62	If swallowed, and more than 15 minutes from hospital or a medical centre induce vomiting: seek medical advice immediately and show this container or label.

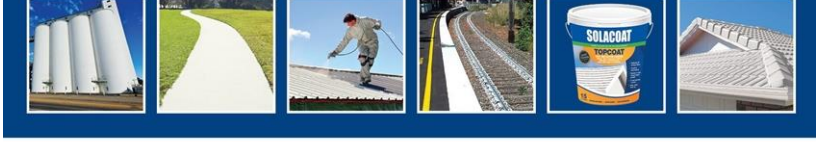
***16. Other information**

All components of this product are listed in the European Inventory of Existing Commercial Substances (EINECS) under the provisions laid down in the corresponding EC-Directive. The components are also listed in the Australia Inventory of Chemical Substances (NICNAS).

Text of all R-phrases referred to in Sections 2 and 3:

R 20:	Harmful by inhalation.
R 20/ 21:	Harmful by inhalation and in contact with skin.
R 36:	Irritating to the eyes.
R 38:	Irritating to the skin.
R 36/ 37/ 38:	Irritating to the eyes, respiratory system and skin.

This Safety Data Sheet replaces all previous information.
Revised and valid from: see Date of Issue.



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2023 SDS For: SOLACOAT HEAT REFLECTIVE NON-SLIP WATERPROOF CONCRETE PAVEMENT COATING

Date Issued: 01 January 2023

The data given here is based on current knowledge and experience. The purpose of this Material Safety Data Sheet is to describe the products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance.

End of Report.