



SAFETY DATA SHEET INFORMATION

For further information: Please refer to the Safety Data Sheet following

Issue: November 22

PRODUCT: Natural Emulsion Zero VOC Eggshell
 - All Bases

Other Names: Architectural and Industrial Coating

Uses: Architectural Protective Coating

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

Hazardous Nature:	This product is not classified as hazardous under the SafeWork Australia criteria
Exposure Standards:	TWA: None specified; consider 5 g/m ³ ; STEL: None specified; consider 5 g/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 SDS

Appearance	Opaque Liquid
Boiling Point/Range (°C):	Not determined
Flash Point (°C):	Not determined
Specific Gravity/Density (g/ml @ 15°C):	1.1-1.8
pH:	8
Chemical Stability:	Stable at room temperature and pressure

Product Ingredients

Section 3 of the SDS

Ingredient	CAS Number	Proportion
Bio based Emulsion	Various	50%
Water	7732-18-5	30%
Pigments	Various	20-30%
Other ingredient deemed non hazardous		To 100%

For further ingredients information, please refer to the full SDS

Risk Phrases

Section 2 of the SDS

DEFINITIONS

Dangerous Goods	Products that are regulated for transport under the UN International guidelines are classified as Dangerous Goods. Products can be classified by their physical characteristics and may have only one Dangerous Goods designation, although may have a subsidiary risk. These products may be Dangerous
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SUMMARY INFORMATION ONLY

NATURAL EMULSION ZERO VOC EGGSHELL ALL BASES



	Goods for transport by Air and Sea, but may not be classed as Dangerous Goods by Road and Rail in Australia. Refer to the Australian Code for Transport of Dangerous Goods by Road and Rail (ADG) for more information.
Hazardous Substances	Hazardous Substances are those products that are intrinsically hazardous by virtue of their chemical nature, rather than as a condition of their misuse. These hazards include mutagens, teratogens, carcinogens, and products that are harmful or irritant in nature. These products may or may not carry a Dangerous Goods classification.
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. The associated warnings, cautions and First Aid instruction are prescriptive under the regulation in Australia.

1. IDENTIFICATION

Product Name:	Natural Emulsion Zero VOC Eggshell – All Bases
Other Names:	Architectural and Industrial Coating
Chemical Family:	Not available
Molecular Formula:	Not available
Recommended Use:	Architectural Protective Coating
Supplier:	Peter Lewis Paints Pty Ltd.
ABN:	33 646 548 432
Address:	3 Muriel Avenue, Rydalmere NSW 2116
Telephone:	+61 2 9638 0367
Fax:	+61 2 9684 1864
Emergency Phone:	+61 2 9638 0367
All other inquiries:	+61 2 9638 0367

2. HAZARDS IDENTIFICATION

Hazard Classification

This product is not classified as hazardous under the SafeWork Australia criteria

Hazard Category

This section is intentionally left blank

Risk Phrases

Safety Phrases

S 2: Keep out of the reach of children
S 23: Do not breathe vapour/mist/spray
S 24/25: Avoid contact with skin and eyes



Dangerous Goods Classification NR

Poisons Schedule NR

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS Number	Proportion (% v/w)
Bio based Emulsion	Various	50%
Water	7732-18-5	30%
Pigments	Various	20-30%
Other ingredients deemed non hazardous	Various	To 100%

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

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Inhalation

Treat according to symptoms. Avoid becoming a casualty.

First Aid Facilities

Treat according to symptoms.

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.

Suitable Extinguishing Media

Water spray, fine mist, dry chemical or foam. Do not use water jets.

Hazards from combustion products



This product will not burn, however toxic gases may be released with excessive heating

Precautions for fire fighters and special protective equipment

Full protective clothing and 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 can become dusty, risking combustion hazard with an ignition source. Keep container closed when not in use. Wear appropriate PPE to avoid inhalation, skin and eye contact.

Conditions for Safe Storage

Store in a cool, dry place away from direct sunlight. Protect containers from physical damage and check regularly for leaks. Avoid release to the environment, store in bunded areas and ensure exit drains are closed.

Incompatible Materials

Oxidising agents

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ZERO VOC EGGSHELL
ALL BASES**



8. EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: None specified; consider 5 g/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: None specified; consider 5 g/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	Opaque Liquid
Boiling Point/Range	°C	>120
Flash Point	°C	Not determined
SG/Density (@ 15°C)	g/ml; kgm ³	1.1-1.8
Vapour Pressure @ 20°C	kPa	Not determined
Vapour Density @ 20°C	g/ml; kgm ³	Not determined
Autoignition Temperature	°C	Not determined
Explosive Limits in Air	% vol/vol	Not determined - Not determined
Viscosity @ 20°C	cPs, mPas	10+ Poise
Percent volatiles	% vol/vol	Not determined
Acidity/alkalinity as pH	None	pH 8-8.5
Solubility in Water	g/l	Dispersible
Other solvents	-	Water



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

Strong oxidising agents, excessive heat

Hazardous decomposition products

Carbon dioxide, carbon monoxide on decomposition or incomplete oxidation

Hazardous reactions

No known hazardous reactions

Hazardous polymerisation

Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

This product is likely to cause discomfort on swallowing and may result in gastric disturbance and soft tissue irritation.

Eye Contact

Eye contact with this product may cause redness and swelling with a burning sensation and blurred vision. The severe temporary effects can be reversed with immediate first aid.

Skin Contact

Contact with this product can result in mild irritations evidenced by swelling, redness, and dryness of the affected area.

Inhalation

Vapours at elevated temperatures may cause dizziness and drowsiness. Vapours at room temperature should be controlled through adequate (do not use in confined spaces) or mechanical ventilation.

Chronic Effects

Repeated or prolonged contact with this product may result in irritant contact dermatitis if PPE precautions are not observed.

Other Health Effects Information

Persons with pre-existing skin conditions will be sensitive to this product.

Toxicological Information

Oral LD₅₀: No data; consider > 5 g/kg

Dermal LD₅₀: No data; consider > 5 g/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity:

Fish Toxicity LC₅₀: This product is probably harmful to the aquatic environment

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Daphnia Magna EC₅₀: This product is probably harmful to the aquatic environment
 Blue-green algae: This product is probably harmful to aquatic plant life.
 Green algae: This product is probably harmful to aquatic plant life.

Persistence/Biodegradability: Information not available

Mobility: Information not available

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 use in recycling.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	NR	UN No.	NR	UN No.	NR
Proper Shipping Name	Paint & Paint related materials	Proper Shipping Name	Paint & Paint related materials	Proper Shipping Name	Paint & Paint related materials
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 via Road and Rail.

15. REGULATORY INFORMATION

Country/Region: Australia

Inventory: AICS

Status: Listed

Poisons Schedule: NR

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

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ASCC: Australian Safety and Compensation Council (2007)

PPE: Personal Protective Equipment

N/R: Non-regulated

N/A: Not applicable

References:

- Supplier Material Safety Data Sheets
- <http://hsis.ascc.gov.au/SearchHS.aspx> (November 22)
- Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (November 22)
- Ecotoxicology data: http://cfpub.epa.gov/ecotox/quick_query.htm (November 22)
- *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 Peter Lewis Paints Pty Ltd.
