

SAFETY DATA SHEET INFORMATION

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

Issue: October 24

PRODUCT: VersEseal© Rust Converter and Primer

Other Names: Industrial coating

Uses: Industrial Protective Coating

Signal Word: Warning

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

Hazardous Nature:	Irritant
Hazard Statement:	Causes skin irritation. Causes serious eye irritation.
GHS Classification:	Serious Eye Damage/Irritation: Category 2A; Skin Corrosion/Irritation: Category 2

Physical Characteristics (Typical)

Section 9 of the SDS

Appearance	Milky white, mobile liquid
Boiling Point/Range (°C):	> 100
Flash Point (°C):	> 120
Specific Gravity/Density (g/ml @ 15°C):	1.3
pH:	2 to 3
Chemical Stability:	Stable at room temperature and pressure
Reactivity:	Oxidising agents, Strong Acids, Strong Alkalis, Excessive heat

Product Ingredients

Section 3 of the SDS

Ingredient	CAS Number	Proportion
Vinyl Acrylic emulsion	various	> 50
Rheology modifiers	various	< 30
Isothiazolinones	includes: 26530-20-1 ; 2682-20-4; 2634-33-5 ; 330-54-1 ; 13463-41-7 ; 1314-13-2	< 0.3

For further ingredients information, please refer to the full MSDS

GHS Pictograms

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 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: VersEseal® Rust Converter and Primer
Other Names: Industrial coating
Chemical Family: Waterbased sealer
Molecular Formula: Not available
Recommended Use: Industrial Protective Coating
Supplier: LRM Products Pty Ltd
ABN: 98 158 623 753
Address: 4/2 Link Drive, Yatala QLD 4207
Telephone: +61 7 3807 2545
Emergency Phone: +61 7 3807 2545
All other inquiries: lrproducts.com.au

2. HAZARDS IDENTIFICATION

Hazard Nature IRRITANT
GHS Classification Serious Eye Damage/Irritation: Category 2A
Skin Corrosion/Irritation: Category 2

GHS Pictograms



Hazard Statement H315: Causes skin irritation
H319: Causes serious eye irritation

Precautionary Statements

General Not applicable.

Prevention P280 - Wear protective gloves. Wear eye or face protection.
P264 - Wash hands thoroughly after handling.

Response P362 + P364 - Take off contaminated clothing and wash it before reuse.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice or attention.

Storage Not applicable.

Disposal Not applicable.

Dangerous Goods Classification NR

Poisons Schedule 5

Signal Word Warning

Other Hazards Contains Isothiazolinones. May cause an allergic reaction.

COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS Number	Proportion (% v/v)
Vinyl Acrylic emulsion	various	> 50
Water	7732-18-5	< 30
Rheology modifiers	various	< 30
Coalescents	various	< 5
Biocides - Isothiazolinones	includes: 26530-20-1 ; 2682-20-4; 2634-33-5 ; 330-54-1 ; 13463-41-7 ; 1314-13-2	< 0.3

4. FIRST AID MEASURES

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

Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Ingestion

If swallowed, DO NOT induce vomiting. Keep at rest. 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. Do NOT use solvent or thinners.

Inhalation

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

First Aid Facilities

Provide eye baths and safety showers.

Medical Attention

Treat according to symptoms. This product will not induce narcotic effects.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	Causes serious eye irritation.
Inhalation	No known significant effects or critical hazards.
Skin contact	Causes skin irritation
Ingestion	No known significant effects or critical hazards

Over-exposure signs/symptoms

Eye contact :	Adverse symptoms may include the following: pain or irritation, watering, redness
Inhalation	No specific data
Skin contact	Adverse symptoms may include the following: irritation, redness
Ingestion.	No specific data.

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".

HANDLING AND STORAGE

Precautions for Safe Handling

This product contains combustible components, but will not burn. It will dehydrate in the presence of a fire in progress, risking the combustion of those components. Keep container closed, and protect from piercing or damage. Check for leaks.

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. Do not store below 5C.

Incompatible Materials

None known

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	Clear, mobile liquid
Boiling Point/Range	°C	> 100
Flash Point	°C	> 120
SG/Density (@ 15°C)	g/ml; kgm ⁻³	1.3
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
Viscosity @ 20°C	cPs, mPas	100
Percent volatiles	% vol/vol	Not determined
Acidity/alkalinity as pH	None	2 to 3
Solubility in Water	g/l	Miscible
Other solvents	-	Alcohols

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

Excessive heat

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

Causes serious Eye irritation. Eye contact with this product may cause redness, strong irritation and blurred vision. These temporary effects can be eased with First Aid.

Skin Contact

Contact with this product can result in strong irritations with symptoms such as itching and redness. These temporary effects can be eased with First Aid.

Inhalation

Vapours at elevated temperatures will cause dizziness and drowsiness. Vapours at room temperature should be controlled through adequate 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 may be sensitive to this product. Contains Isothiazolinones may cause allergic reactions.

Toxicological Information

Oral LD₅₀: No data; consider > 5 g/kg

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

ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity:

Fish Toxicity LC₅₀: Components of this product are harmful to aquatic life, but are not present in sufficient concentration to result in damage.

Daphnia Magna EC₅₀: Components of this product are harmful to aquatic life, but are not present in sufficient concentration to result in damage.

Blue-green algae: Components of this product are harmful to aquatic life, but are not present in sufficient concentration to result in damage.

Green algae: Components of this product are harmful to aquatic life, but are not present in sufficient concentration to result in damage.

Persistence/Biodegradability: The active ingredient in this product will biodegrade in time, and there is no likelihood of bioaccumulation.

Mobility: This product is likely to be mobile on release to the environment.

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	NR	Proper Shipping Name	NR	Proper Shipping Name	NR
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.

REGULATORY INFORMATION

Country/Region: Australia

Inventory: AICS

Status: Listed

Poisons Schedule: 5

OTHER INFORMATION

Reasons for Issue: New product; amalgamated supplier and regulatory updates in all sections

Abbreviations:

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

GHS: Global Harmonised System

IARC: International Agency for Research on Cancer

PPE: Personal Protective Equipment

N/R: Non-regulated

N/A: Not applicable

UN: United Nations

References:

- Supplier Safety Data Sheets
- <http://hsis.safework.gov.au/SearchHS.aspx> (October 24)
- Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (October 24)
- Ecotoxicology data: <https://cfpub.epa.gov/ecotox>

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 LRM Products Pty Ltd.
