

**1. IDENTIFICATION OF THE MATERIAL AND THE COMPANY**

Product name: EXIT RUST

Other names: ER250 and ER1

Recommended Use: Rust converter – used in the treatment of rusted steel.
Apply by brush, dip or spray.

Supplier: Liquid Engineering

Street Address: RSM 117
Kojonup, Western Australia 6395

Telephone: 1300 367 710

Facsimile: 61 8 9387 8237

Emergency telephone number: 0413 202 991

2. HAZARDS IDENTIFICATION

This material is classified as hazardous according to health criteria of NOHSC Australia.

Hazard Classification: Hazardous Substance - Harmful (Xi).

Risk Phrases: R36/38 – Irritating to eyes and skin.

Safety Phrases: S26 – In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion
Natural tannins	1401-55-4	< 40%
Aliphatic alcohol	67-63-0	<10%
Organic acids		<20%
Water	7732-18-5	> 50%

4. FIRST AID MEASURES

Swallowed: For advice, contact a Poisons Information Centre (Phone 131126) or a doctor at once. Rinse mouth with water. Give water to drink. Do NOT induce vomiting.

Eye: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek medical assistance.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation occurs, seek medical advice. Wash contaminated clothing before re-use.

Inhaled: If inhaled, remove victim from exposure. Allow victim to assume most comfortable position and keep warm. If effects persist, seek medical advice.

Notes to physician: Treat symptomatically



5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water, foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: This product is not combustible and is normally stable. Thermal decomposition may generate oxides of carbon.

Special protective equipment: Fire fighters must use self-contained breathing apparatus, if risk of exposure to products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to avoid skin, eye and respiratory irritation.

Contain spill with absorbent material such as sand or vermiculite – prevent run off into drains and waterways. Collect and place in properly labelled containers for disposal. Flush spill area with water after clean up.

Dispose of according to Federal, State and Local Regulations.

7. HANDLING AND STORAGE

Precautions for safe handling: Not classified as Dangerous Goods for the purposes of storage and handling.

Conditions for safe storage: Store in a cool, well-ventilated area away from foodstuffs and incompatible materials such as alkaline materials and oxidising agents. Keep containers closed when not in use, and check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards: No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia). There is a blanket recommendation for a TWA of 10 mg/m³ for inspirable mists when limits have not been established.

Engineering controls: Use in a well-ventilated area. Avoid generating and inhaling mists. Air concentrations should be maintained below the TWA value, otherwise use a respirator. Keep containers closed when not in use.

Personal protective equipment: Wear overalls, safety shoes, chemical goggles and gloves. Avoid skin and eye contact. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or reuse. If there is a risk of inhalation of vapour or spray mists, wear a respirator meeting the requirements of AS1715 and AS1716.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark brown liquid.

Odour: Slightly sweet odour

pH: 3

Vapour pressure: Not available

Vapour density: Not available

Boiling Point ($^{\circ}\text{C}$): >100

Solubility in water: Completely miscible

Specific gravity (20°C): 1.08

10. STABILITY AND REACTIVITY

Chemical stability: This product is not combustible and is normally stable.

Incompatible materials: Alkaline materials and oxidising agents.

Hazardous decomposition products: Thermal decomposition may generate oxides of carbon.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

Swallowed: Ingestion may cause irritation and nausea.

Eye: Irritant, may cause burns and corneal damage.

Skin: Contact may cause skin irritation, and prolonged exposure may cause burns.

Inhalation: Inhalation of mist may cause irritation of nose, throat and lungs.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal facility.

14. TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code for transport by road or rail.



15. REGULATORY INFORMATION

This material is classified as hazardous according to health criteria of NOHSC Australia.

Hazard Classification: Harmful (Xi)

Risk Phrases: R36/38 – Irritating to eyes and skin.

Safety Phrases: S26 – In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

16. OTHER INFORMATION

Date of issue: May 2009

CONTACT POINT	
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Review Date:	May 2019

This Material Safety Data Sheet summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and how to safely handle and use the product. Since Liquid Engineering 2003 Pty Limited cannot anticipate or control the conditions under which the product may be used, prior to use, all users should satisfy themselves that they have all current data relevant to their particular use.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

-END of MSDS-