

# THE LAB<sup>®</sup>

## Chemicals & Coatings

### -BIO-RUST-

#### TECHNICAL AND MATERIAL SAFETY DATA SHEET

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#### SUPPLIER IDENTIFICATION AND INFORMATION

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# BIO-RUST

**Recommended specification:**

BIO-ALGAE advised for algae or fungal growth.

BIO-WASH advised for IBR, Corrugated Roofs

BIO-RUST - Primer ( IBR, Corrugated Roofs)

THE LAB - Topcoats

This is a maintenance specification

(Contact sales representative for appropriate Topcoat)

**Formulated as a water-based, rust block additive to act against corrosion.**

**Description**

BIO-RUST is ideal for rusted metal surfaces. It has excellent anti-corrosion and weathering resistant properties. The product is environmentally friendly and does not emit noxious fumes and odours during and after application. BIO-RUST is heat, ultraviolet, and creep resistant. Satin/eggshell finish available in black, green and modern red colours.

**Uses**

BIO-RUST is ideal for areas such as metal, rolled steel, mild steel and galvanised steel. The product protects metal from rust. Can also be used for structural steel, piping, tank frames, rail cars, corrugated iron, offshore oil and gas stations, boats, asbestos.

**Properties**

<b>Colour:</b>	Black, Green, Red
<b>Gloss level:</b>	Satin
<b>Volume solids:</b>	± 47 %
<b>Application method:</b>	Brush, roller or spray

<b>Drying times:</b>	(25°C, 50% RH)
<b>-Touch dry:</b>	30 minutes

<b>-Re-coat:</b>	2 hours
<b>Clean up:</b>	Water

<b>Flammability:</b>	Non-flammable
<b>VOC content:</b>	0.05 g / liter

<b>Water Resistance</b>	Excellent
<b>Abrasion Resistance</b>	Good
<b>Corrosion Resistance</b>	Good

**Maintenance**

No special requirements. Any damage identified during normal inspections should be repaired or replaced as required.

**Application instructions**

Previously painted and primed surfaces must be cleaned by removing all grease, paint and loose friable dirt with THE LAB BIO-WASH. Old enamel or oil painted surfaces should be sanded to a matt finish. Trial patches are required prior to full application.

**Application:**

Suitable to apply with brush, roller and spray.

**Features Included:**

- Quick drying - overcoat 30 - 60 minutes
- Excellent flexibility
- Ultraviolet and weather resistant
- Good abrasion resistance
- Exceptional performance in wet weather.
- Rust prevention
- Colour fastness
- Low flame spread

**Excellent resistance to:**

Diluted Acids, alkalis, water and salt solutions.

**Supply**

<b>BIO-RUST Rust Seal</b>	5lt ,20lt
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**Coverage**

<b>BIO-RUST Rust Seal:</b>	8-10 m <sup>2</sup> / liter
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The coverage figures are theoretical – due to wastage factors and the variety and nature of possible substrates, practical coverage figures may be reduced.

## MATERIAL SAFETY DATA SHEET



### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name : THE LAB BIO-RUST

Date Issued : 02/04/2021

CAS no. : n/a EC no. : n/a UN No. : 1263 SAPMA : 4-H-C

In emergency contact THE LAB

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

EC Classification : Not classified as hazardous

No significant quantity of classified hazardous substances present.  
(CL/RL = Controlled/Recommended level 'S' = Skin annotation)

### SECTION 3. HAZARDS IDENTIFICATION

SAPMA Health Rating : 4-MINIMAL - No great risk to health Inhalation : Avoid exposure to vapours, fumes and mists.

Skin : No hazard expected if used in moderation.

Eyes : No direct hazard is expected but possible contact with any chemical must always be avoided.

Ingestion : Irritating and nauseating.

No carcinogenic, mutagenic or genetic effects established

May have short term environmental effects. Contain, monitor & remove.

### SECTION 4. FIRST AID MEASURES

Inhalation : Move to fresh air.

Skin : Always wash after handling chemical substances.

Eyes : In case of any contact and discomfort rinse well with water and seek medical advice.

Ingestion : Wash mouth with plenty of water. Do NOT induce vomiting. seek medical attention.

### SECTION 5. FIRE FIGHTING MEASURES

Dried residues - combustible with toxic fumes. No direct explosion hazard expected.

### SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5, 8, 13

Contain & collect. Keep out of drains and sewers

### SECTION 7. HANDLING AND STORAGE

Store separately from any reactive substances - oxidisers in particular.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAPMA Rating : 4-H-C

PPE : Eye protection

Inhalation : In case of insufficient ventilation, use suitable respiratory protection.

Skin : Use only as directed.

Eyes : Avoid direct contact. Never touch eyes with dirty hands or gloves.

Ingestion : Observe the rules of hygiene. Wash before eating, drinking or smoking.



## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical class : Non-hazardous material  
Description : Viscous liquid  
Smell : Pungent  
FlashPoint (C) : n/a

## SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions  
Inert - no reaction with fire-fighting water

## SECTION 11. TOXICOLOGICAL INFORMATION

No carcinogenic, mutagenic or genetic effects established

## SECTION 12. ECOLOGICAL INFORMATION

May have short term environmental effects. Contain, monitor & remove.

## SECTION 13. DISPOSAL INFORMATION

Use reputable waste disposal contractors. Exercise caution in disposal of used containers.

## SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous for transport



## SECTION 15. REGULATORY INFORMATION

EC no. : n/a  
EC Classification : Not classified as hazardous  
S2 - Keep out of reach of children. (Retail sales items)

## SECTION 16. OTHER INFORMATION

IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

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This MSDS conforms with General Administrative Regulations of 6 Sept.1996 (ISO-11014/ANSIZ400.1.1996) OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)  
SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991) All information is given in good faith but without guarantee in respect of accuracy.  
No responsibility is accepted for errors or omissions or the consequences thereof.

### **Note:**

- The recommendations contained in these data sheets are based on results obtained from tests and experience. It is believed to be reliable but is given as a guide only.
- No guarantee is implied by the recommendations contained herein since conditions of use, method of application and preparation of the substrate prior to painting are beyond our control.
- Our technical section should be contacted to clarify recommendations and specifications for projects, either of a specific or general nature.