

THE LAB[®]

Chemicals & Coatings



Technical and Material Safety Data Sheet

Version: 2026



THE LAB WASH PRIMER

THE LAB WASH PRIMER

Product Family: **Primers** (Metal Etch Primer / Adhesion Promoting Primer for aluminium)

Typical System Guidance

Typical metal coating system:

- 1 Surface cleaning using **THE LAB PREP**
- 2 Apply **THE LAB WASH PRIMER**
- 3 Apply selected **THE LAB POLYGUARD**

The final coating system should be selected depending on environmental exposure conditions. Routine inspection and maintenance is recommended to maintain long-term coating performance.

Product Description

THE LAB WASH PRIMER is a specialised metal etching primer designed to promote adhesion of coating systems to difficult metal substrates such as galvanised steel, aluminium, pre-coated metal and other non-ferrous metals. The primer chemically reacts with the metal surface to create a micro-etch profile while depositing a thin protective layer that enhances adhesion of subsequent coatings.

The product provides excellent bonding to smooth and lightly polished metal surfaces where conventional coatings would normally exhibit poor adhesion. The wash primer forms a stable base layer that significantly improves the durability and long-term performance of protective and decorative coating systems.

THE LAB WASH PRIMER is commonly used in industrial maintenance, structural steel protection and metal fabrication where reliable adhesion to metal substrates is required prior to the application of finishing coatings.

Technical Data Summary

Colour	Light Green / Yellow
Finish	Matt
Binder Type	Acid catalyze coating
Volume Solids	+/-20 %
Specific Gravity	+/- 0.95 kg/L
Application Method	Spray / Brush
Touch Dry	+/- 30 minutes
Recoat Time	+/- 1 hour
Coverage	+/- 8 – 10 m ² /L
Recommended WFT	+/- 20 microns
Recommended DFT	+/- 15 microns
Thinner	Recommended Wash Primer Thinner
Clean Up	Wash Primer Cleaner
Shelf Life	+/- 12 months when stored under correct conditions

These values are typical laboratory results and serve as a guide only. Practical coverage will vary depending on surface profile, porosity and application method.

Intended Uses

THE LAB WASH PRIMER is used as an adhesion promoting primer for metal substrates where conventional coatings do not readily adhere.

Typical substrates include:

- Aluminium
- Galvanised steel
- Zinc coated metal
- Stainless steel
- Light metal alloys
- Structural steel components

The primer provides a stable bonding layer for subsequent coating systems applied to metal substrates. Not recommended for permanently submerged surfaces or areas subject to continuous water exposure.

Principal Characteristics

- Excellent adhesion to galvanised and non-ferrous metals
- Chemical etching action for improved bonding
- Quick drying formulation
- Thin bonding layer for subsequent coatings
- Improves durability of coating systems
- Suitable for industrial metal protection systems

Surface Preparation

All surfaces must be clean, dry and free from grease, oil and contaminants.

Clean surfaces using **THE LAB PREP** to remove oils and contaminants, and rinse thoroughly with clean water. Remove any loose scale, rust or surface contamination before applying the primer.

Ensure the surface is completely dry before application.

Application Guidelines

THE LAB WASH PRIMER may be applied by brush or roller.

Apply a single coat to achieve uniform coverage and durability.

Prior to application, always follow these basic product checks:

- Inspect packaging and ensure containers are sealed, undamaged and within shelf-life
- Open product and visually inspect for abnormalities, contamination, skinning or separation
- Stir product thoroughly before and during use where required
- For multi-component products, ensure correct mixing ratios and induction periods are followed
- Confirm substrate condition, moisture levels and environmental conditions are suitable
- Conduct a small test patch to confirm adhesion, appearance and compatibility prior to full application

Do not apply coatings when:

- Ambient temperature is below 10°C
- Rain is imminent
- Surfaces are wet or contaminated

Ensure recommended spreading rates are maintained to achieve correct film thickness. Allow adequate drying time between coats.

Storage

Store in sealed containers in a cool dry well ventilated environment away from heat sources, sparks and direct sunlight.

Keep containers tightly closed when not in use.

Shelf life is approximately **12 months** when stored under recommended conditions.

THE LAB[®]

SPECIALIZED COATING SOLUTIONS AND PAINT SYSTEMS

"Where quality meets purpose"

COMPLETE COATING SYSTEMS FOR EVERY SURFACE

ENGINEERED FOR PERFORMANCE. BUILT TO LAST.

ROOF COATINGS	WALL COATINGS	FLOOR COATINGS	PRIMERS	SEALERS	TWIN PACKS & EPOXIES	CEMENTITIOUS SYSTEMS	DEGREASERS & SURFACE PREPARATION	SPECIALIZED PROTECTIVE SYSTEMS
Superior protection against harsh weather conditions.	Beautiful, durable finishes for interior and exterior walls.	High performance floor systems for every environment.	The perfect foundation for lasting adhesion and performance.	Protect and seal surfaces with advanced sealer technologies.	High build, chemical resistant systems for extreme performance.	Engineered mortar and coatings for concrete protection.	Clean, prepare and ensure maximum adhesion.	Specialised solutions for the toughest protection needs.



Technical Advisory, Specification Support and Disclaimer

The technical information, recommendations, specifications and system guidance contained in this document are provided in good faith and are based on laboratory testing, field experience and current product knowledge available at the date of publication. Such information is intended solely to assist specifiers, contractors, applicators and end users in selecting and applying suitable coating systems and does not relieve any party from independently assessing product suitability for the intended application and site conditions.

The performance of any coating system is materially dependent upon factors beyond the control of The Lab Chemicals & Coatings, including but not limited to correct substrate assessment, cleaning and decontamination procedures, surface preparation, substrate condition, moisture content, environmental conditions, product storage and handling, mixing procedures where applicable, film thickness achievement, adherence to specified system build requirements, application techniques and ongoing maintenance practices.

Failure to strictly follow the instructions, specifications, limitations and recommendations contained within this Technical Data Sheet, associated specifications, written recommendations or supplementary documentation may adversely affect product performance and may invalidate performance expectations, warranties or related claims.

Users are strongly advised to conduct suitability trials and test applications under actual site conditions prior to full-scale application.

To the best of our knowledge, the information contained herein is true and accurate at the date of issue and remains subject to change without prior notice. Users are advised to contact The Lab Chemicals & Coatings prior to specification or ordering to ensure that the correct product and system are selected for the intended application.

No guarantee, representation or warranty is given or implied regarding the completeness or suitability of information contained herein. Technical recommendations and advice do not constitute a performance guarantee unless expressly confirmed in writing by an authorised representative of The Lab Chemicals & Coatings.

The Lab Chemicals & Coatings accepts no responsibility or liability for product failure, defects, damage, consequential losses, injuries or unsatisfactory performance arising from incorrect substrate preparation, unsuitable application conditions, deviation from specified system requirements, misuse, unauthorised product modification, incorrect application methods or use outside documented recommendations. Liability, if any, shall be limited solely to replacement of proven defective product.

The above information must be read in conjunction with the General Terms and Conditions of The Lab Chemicals & Coatings (Pty) Ltd and The Lab George (Pty) Ltd, available at: www.thelabcc.co.za or upon request.

Material Safety Data



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

CAS no. : N/A EC no. : N/A UN No. : 1263 Hazchem: 3[Y] SAPMA: 2-H-E

In emergency contact: The Lab Chemicals & Coatings @ 0845071767

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

[- R10][Xn R65]

EC Classification: - Xn R10,65 S02,13,43A,62

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

WHITE SPIRIT<0.1% BENZ (WS3) >10%

[CAS #: 64742-88-7] [E.C. #: 649-405-00-X]

EEC Labels: XN OEL 575mg OEL 100ppm STOEL 720mg STOEL 125ppm RL

Acrylic resin >25%

(CL/RL = Controlled/Recommended level 'S' = Skin annotation)

SECTION 3. HAZARDS IDENTIFICATION

SAPMA Health Rating: 2-MODERATE - Temporary or minor injury possible even if treatment given

Inhalation: Irritating, narcotic. Can affect CNS.

Skin: HARMFUL BY CONTACT.

Eyes: Highly Irritating and risk of irreversible damage.

Ingestion: Harmful. May cause lung damage if swallowed.

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. In case of discomfort seek medical attention.

Skin: Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort get medical attention

Eyes: ACT FAST! Rinse immediately with plenty of water. Refer immediately to Doctor.

Ingestion: DO NOT INDUCE VOMITING. Get immediate medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Flammable with toxic fumes.

Containers can burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard!

Foam. CO2. Dry powder. Fog to cool and control. Do NOT use water jets.

Cool containers in case of fire.

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

Contain & collect. Use an inert - NOT sawdust. Keep out of drains & sewers.

SECTION 7. HANDLING AND STORAGE

Store separately from any reactive substances - oxidisers in particular.

No open flames. No smoking.

Keep containers cool. Avoid free fall of liquid - use earthing.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAPMA Rating: 2-H-E PPE: Respirator and Eye protection

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

Skin: Avoid direct contact. Use barrier cream and impervious gloves.

Eyes: Use goggles. Avoid direct contact.

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

OEL Type: Mix- Mixture - See Section 2



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical class: PAINT Description: Viscous liquid Smell: Pungent

Boil. pt (C): >35

FlashPoint (C): >23

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions

Could generate static - USE EARTHING

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

Contact your nearest municipal offices.

SECTION 14. TRANSPORT INFORMATION

UN no: 1263 Packing group: III IMO Class: 3.3

Hazchem: 3[Y]



SECTION 15. REGULATORY INFORMATION

EC no. : N/A Contains: WHITE SPIRIT<0.1% BENZ (WS3)

EC Classification: - Xn R10,65 S02,13,43A,62

R10 - Flammable

R65 - Harmful: May cause lung damage if swallowed.

S2 - Keep out of reach of children. (Retail sales items)

S13 - Keep away from food, drink and animal feeding stuffs

S43A - In case of fire, use water fog, foam or powder - Do not use water jets!

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.



SECTION 16. OTHER INFORMATION

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.
IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

This MSDS conforms to 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.