



# Material safety data sheet

## MATERIAL SAFETY DATA SHEET

PRODUCT: HydroKey  
DATE PRINTED: 21/01/2025  
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### 1. PRODUCT AND COMPANY IDENTIFICATION (This page may be used as an emergency data sheet)

#### Company Details:

Name: Laminin Coatings (Pty) Ltd  
Address: 109 Fritz Stockenström Street, East End, BFN  
Tel.: 051 – 447 8938  
Fax.: 086 518 6455

#### Product Details:

Trade Name:	HydroKey	CAS No.:	Mixture
Main use:	Industrial or domestic use	Hazchem Code:	Not available
Chemical family:	Emulsion paint	UN No.:	Not available
Chemical Name:	Water based Emulsion Paint		

### 2. COMPOSITION

Water-based emulsion paint  
Hazardous Components: Not classified as hazardous

### 3. HAZARDS IDENTIFICATION

Main Hazard:	Not hazardous
Flammability:	Not flammable
Chemical Hazard:	Not hazardous
Biological Hazard:	Not hazardous
Reproductive Hazard:	None
Health effects – Eyes:	Irritation
Skin:	Irritation
Ingestion:	Irritation
Inhalation:	Irritation
Carcinogenicity:	None
Mutagenicity:	None
Neurotoxicity:	None



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### 4. FIRST AID MEASURES

In contact with eyes:	Wash with luke water for several minutes while holding eyelids open or until irritation subsides and seek medical advice.
In contact with skin:	Wash with water before the dispersion dries and remove any contaminated clothing and wash with large amounts of soap and water. If irritation persists, seek medical advice.
If ingested:	May cause nausea. Do not induce vomiting. Drink as much water as possible and seek medical advice immediately.
If inhaled:	Remove to well-ventilated area. In severe cases seek medical advice.

### 5. FIRE FIGHTING MEASURES

Extinguishing media:	Water, carbon dioxide or dry chemicals
Special hazards:	This product is water based and not flammable. Dry resin will burn producing carbon dioxide and sometimes oxides of nitrogen accompanied by dense black smoke.
Protective clothing:	Protective clothing and a self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Protective gloves, overalls and footwear, respiratory equipment if in an enclosed area.
Environmental precautions:	Do not wash into drains unless leading to a suitable effluent process.
Small spills:	Absorb with sand or rags before the paint is allowed to dry.
Large spills:	Contain and pump into a receiving vessel for removal.
Waste disposal:	Check with Federal, Provincial and local Government regulations and requirements for disposal.

### 7. HANDLING AND STORAGE

Suitable material:	Plastic or special steel containers.
Handling:	Wear protective gloves, goggles, overalls and apron Observe good housekeeping practice. Keep workplace well ventilated.
Storage:	Store under cover at temperatures above freezing Containers should be properly sealed. Open in ventilated surroundings as small levels of VOC may accumulate in top void of the containers. Stir before use. Keep out of reach of children.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational exposure limits:	Not applicable
Engineering control measures:	Use mechanical ventilation to reduce exposure.
Personal protection – respiratory:	Breathing apparatus if ventilation is not adequate
Personal protection – eye:	Safety goggles are recommended
Personal protection – skin:	Safety goggles, waterproof overalls and boots are recommended in cases of severe splashing.
Other protection:	Do not eat drink or smoke when handling the product.



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### 9. PHYSICAL and CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	White / clear pour able liquid
Odour:	Characteristic
pH:	8 - 9.5 ( as supplied)
Boiling point:	100°C ( as for Water)
Flash point:	Not applicable
Explosive properties:	Not applicable
Vapour pressure:	as for water
Density:	0.95 – 1.05 (as supplied)
Solubility – water:	fully miscible
Solubility – solvent:	soluble in some alcohols, esters and aromatic solvents

### 10. STABILITY and REACTIVITY

Stability:	Stable under recommended conditions of storage.
Incompatible materials:	Not available
Conditions to void:	Extreme temperatures
Hazardous decomposition products:	None
Hazardous reactions:	None

### 11. TOXICOLOGICAL INFORMATION

Skin and eye contact:	Long term experience of handling this class of product under industrial conditions indicates the absence of any chronic or acute effects
Acute Toxicity:	
Chronic toxicity:	
Carcinogenicity:	None known
Mutagenicity:	None known
Neurotoxicity:	None known
Reproductive hazards:	None known

### 12. ECOLOGICAL INFORMATION

Aquatic toxicity – fish:	low toxicity (<500mg/litre)
Aquatic toxicity – daphnia:	none known
Aquatic toxicity – algae:	none known
Biodegradability:	The base polymer is slowly biodegraded

### 13. DISPOSAL CONSIDERATIONS

Not classified as hazardous waste.	
Disposal of product and packaging should always comply with local and national regulations.	
Recover liquid with absorbent material.	
Disposal methods:	Waste product should not be discharged directly into drains or waterways without treatment. Waste water containing product should be treated in a separation and biological treatment plant.
Disposal of packaging:	Containers may be cleaned and returned to the supplier for re-use.



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### 14. TRANSPORT INFORMATION

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NOT CLASSIFIED AS HAZARDOUS FOR TRANSPORT.

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### 15. REGULATORY INFORMATION

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EEC hazard classification: None  
This product contains only substances which are on the European Inventory of Existing Chemicals (EINECS)

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### 16. OTHER INFORMATION

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The information provided in this Material Safety Data Sheet is based on the present state of our knowledge. This data is intended to enable safety assessments to be made and should not be construed as guaranteeing specific properties. Users are recommended to consult technical information sheets for advice on specific applications. The material may be used under conditions over which Laminin Paints has no control or in ways we cannot anticipate, we give no warranty, expressed or implied, as to the accuracy of the information and assume no responsibility for any damages that may occur.

Further information may be obtained from:

See above:

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