ROOF ACRYLIC

2026 REVISION 2

SAFETY DATA SHEET

Code: **RAC00**

1: PRODUCT IDENTIFICATION AND COMPANY NAME

Product Name:	:	Universal Paints Roof Acrylic Standard Colours
Product Identification	:	Air Drying Emulsion Paint
Supplier/Manufacturer	:	Universal Coatings (Pty) Ltd
Address	:	17 Precision Street, Kya Sands, Randburg, South Africa
Contact Name	:	R. Diab
Contact Number	:	(+27) 11 462 4284

2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or mixture

(H317) Skin Sensitisation Category 1
(H400) Aquatic Acute Category 1

Signal Word : WARNING

Hazard and Precautionary Statements

Hazard Statement

H317	May cause an allergic skin reaction.

Prevention Statement

P261	Avoid breathing vapour/mist. Protect respiratory tract.
P272	Contaminated clothing should not leave the workplace.
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection.
P391	Collect spillage
P501	Dispose of contents/container to an approved waste disposal plant.

Response Statement

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

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3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight %	Classification
Nonylphenol, ethoxylated	*9016-45-9*	*0.090–0.100%*	*Acute Tox. 4 (H302, H312)* *Skin Irrit. 2 (H315)* *Eye Irrit. 2 (H319)* *Aquatic Acute 1 (H400)*
Formaldehyde	*50-00-0*	*0.006–0.010%*	*Below GCL*
CMIT/MIT (3:1)	*55965-84-9*	*0.0002–0.0020%*	*Skin Sens. 1, H317*
2,2-dibromo-2-cyanoacetamide	*10222-01-2*	*0.0300%*	*Below GCL*
Sodium nitrate	*7631-99-4*	*0.0020–0.0060%*	*Below GCL*

4: FIRST AID MEASURES

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation : Move to a safe area with fresh air. Keep person warm and at rest.
If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.

Eye Contact : Rinse thoroughly with water for at least 10 minutes.
Seek medical attention.

Ingestion : Do not induce vomiting. Keep person warm and at rest.
Seek medical advice immediately and show the container or label.

Skin Contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use a recognised skin cleanser.
Do not use solvents or thinners.

5: FIRE FIGHTING MEASURES

General : This product is non-flammable.
Expect no direct explosion hazard. Use C02, dry powder, foam or water.

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6: ACCIDENTAL RELEASE MEASURES

Personal Precautions : Ventilate the area. Avoid breathing in vapours.

Spill : Contain and collect spillage with absorbent material.
Dispose of according to local regulations.
Do not allow spillage to enter sewerage drains or watercourses.

7: HANDLING AND STORAGE

Handling : Keep container tightly closed.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. After handling the material, workers should wash hands and face before eating, drinking and smoking. Always comply with health and safety regulations.

Storage : Store in original container. Observe label precautions.
Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep away from oxidizing agents, strong alkaline and acids. No smoking.
Containers which have been opened must be carefully cleaned, resealed and kept upright to prevent contamination and leakage.

8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control Parameters

Component	CAS-No.	OEL/TWA
Nonylphenol, ethoxylated	*9016-45-9*	*No substances with occupational exposure limit values established*
Formaldehyde	*50-00-0*	*Formaldehyde normally carries a low OEL (commonly ≤0.3–0.5 ppm TWA) - indicative only.*
CMIT/MIT (3:1)	*55965-84-9*	*None established*
2,2-dibromo-2-cyanoacetamide	*10222-01-2*	*None established*

8.2 Exposure Control

Protection Measures : Implemented in accordance with the appropriate risk assessment, taking into account the manner and conditions of use.

Personal Protective Equipment : Eye protection, Gloves, Safety Footwear, Respirator (as required).

Respiration : In case of insufficient ventilation, suitable respiratory protection must be used.

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

Ingestion : Wash hands before drinking, eating or smoking, observe normal rules of hygiene.

Skin : As far as possible avoid contact, if contact occurs, wash immediately.

9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Various
Odour	:	Low odour
Melting point/Range	:	Not available
Flashpoint	:	Non-combustible
Boiling Point/Range	:	>100°C
Flammability	:	Not flammable
pH	:	8.5 - 9.5
Solubility in water	:	Miscible with water
Vapour Pressure	:	Not applicable
Vapour Density	:	Not applicable
Vapour Relative Density	:	Not applicable
Density	:	1.10 - 1.40 (typical)
Viscosity	:	85 – 95 KU (typical)
Evaporation Rate	:	Not determined
Autoignition Temperature	:	Not applicable
Decomposition Temperature	:	Not applicable
Explosive/Oxidising Properties	:	Not applicable

Other information
Please see Technical Data Sheet (TDS) for product specific information.

10: STABILITY AND REACTIVITY

Chemical Stability	:	Not reactive. Stable if stored under normal conditions.
Possibility of hazardous reactions	:	No dangerous reactions known under conditions of normal use.
Conditions to avoid	:	Excessive heat. Keep in a cool, dry, well ventilated place.
Incompatible materials	:	Incompatible with oxidizing substances.
Hazardous decomposition products	:	In case of fire and/or explosion do not breathe fumes. Hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke may be produced. No decomposition if stored and applied as directed.

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11: TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity

Oral: Not classified at mixture level.

Estimated LD_{50} (rat, oral) 1,310 mg/kg — well below the concentration required to trigger mixture-level Acute Tox. classification.

Dermal: Not classified at mixture level.

Estimated LD_{50} (rabbit, dermal) 1,310 mg/kg — well below the concentration required to trigger mixture-level Acute Tox. classification.

Inhalation: No data available for the mixture; no individual component present at a concentration expected to drive inhalation toxicity classification.

11.2 Skin Corrosion/Irritation

Not classified at mixture level. Skin Irrit. 2, H315 at substance level is present at 0.090–0.100%, below its generic concentration limit for mixture classification.

11.3 Serious Eye Damage/Irritation

Not classified at mixture level. Eye Irrit. 2, H319 at substance level is present below its generic concentration limit at the concentration used in this formulation.

11.4 Respiratory or Skin Sensitisation

May cause an allergic skin reaction (Skin Sens. 1, H317). Attributable to the reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CMIT/MIT, 3:1), present at a calculated 0.0002–0.0020% (2–20 ppm) arising from the preservative system.

11.5 Germ Cell Mutagenicity

Not classified. No component present at a concentration triggering mutagenicity classification.

11.6 Carcinogenicity

Not classified at mixture level. Contains trace formaldehyde (0.006–0.010%) from the preservative system; formaldehyde is classified Carc. 2/1B at the substance level, but the concentration present is well below the generic concentration limit (0.1%) required for mixture-level carcinogenicity classification. No component of the product is identified as a probable, possible, or confirmed human carcinogen by IARC at or above 0.1% concentration.

11.7 Reproductive Toxicity

Not classified. No reproductive toxicity data available for any formulation component at the concentrations present; no evidence of reproductive effects has been established.

11.8 STOT – Single Exposure

Not classified. No data indicating single-exposure target organ effects at the concentrations present in this formulation.

11.9 STOT – Repeated Exposure

Not classified at mixture level. Contains trace 2,2-dibromo-2-cyanoacetamide (DBNPA, 0.030%) from the preservative system; DBNPA is classified STOT RE 1 at the substance level, but the concentration present is below the generic concentration limit (0.1% for Category 2, 1% for Category 1) required for mixture-level classification.

11.10 Aspiration Hazard

Not classified. No component of the formulation is a low-viscosity liquid presenting an aspiration hazard; the product itself is a viscous, water-based emulsion.

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12: ECOLOGICAL INFORMATION

12.1 Toxicity

Classified Aquatic Acute 1 (H400) at the substance level:

- Toxicity to fish: LC50 (96h) 1–10 mg/l
- Toxicity to Daphnia magna (48h): EC50 1.5 mg/l

The wetting agent component concentration present in this formulation sits at or near the generic concentration limit (0.1%) for Aquatic Acute 1 classification at the mixture level.
Contains trace CMIT/MIT reaction mass (0.0002–0.0020%) from the preservative package, with substance-level aquatic toxicity data of EC50 (Daphnia, 48h) 0.1 mg/l and EC50 (algae, 72h) 0.048 mg/l — both well below the concentration present in this formulation; does not contribute to mixture-level aquatic classification at this dosage.
Contains trace DBNPA (0.030%) from the preservative package, with substance-level aquatic toxicity data of LC50 (fish, 96h) 3.4 mg/l and EC50 (Daphnia, 48h) 0.127 mg/l — below the concentration required to independently trigger mixture-level classification.

12.2 Persistence and Degradability

The wetting agent component is reported as readily biodegradable (approximately 86% biodegradation, OECD 301B). CMIT/MIT reaction mass is rapidly biodegradable (>60%, OECD 301D) with a short aquatic-sediment half-life (1.82–1.92 days, OECD 308).

12.3 Bioaccumulative Potential

No bioaccumulation data available for the wetting agent component (partition coefficient not determined). CMIT/MIT reaction mass shows low bioaccumulative potential (BCF 3.6, calculated).

12.4 Mobility in Soil

No data available.

12.5 Results of PBT and vPvB Assessment

No individual component of this formulation, at the concentrations present, meets the PBT or vPvB criteria of REACH Annex XIII.

12.6 Other Adverse Effects

Product does not contain organic halogens contributing to AOX at a level of concern at the formulation dosages used.
Do not allow to enter drains or watercourses; care should be taken with disposal given the Aquatic Acute 1 classification of the wetting agent component.

13: DISPOSAL CONSIDERATIONS

: Do not allow to enter drains or watercourses.
Dispose of according to national and local applicable regulations.
Empty containers are suitable for recycling, but caution must be exercised in the disposal of used containers.

14: TRANSPORT

SIN/UN Number	:	Not classified as dangerous for transport
Shipping Name	:	Not classified
Packaging Group	:	Not classified
Class	:	Not classified as hazardous

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15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
This product is classified and labelled in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals as implemented in South Africa.

This Safety Data Sheet has been prepared in accordance with the requirements of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), and the Hazardous Chemical Agents Regulations, 2021, under the Department of Employment and Labour.

Classification has been performed in accordance with SANS 10234.

This SDS is compiled in accordance with SANS 11014.

The product is subject to general environmental and waste management legislation, including the National Environmental Management Act (NEMA), where applicable.

No specific additional national or provincial regulations applicable to this product have been identified.

Chemical safety assessment
A chemical safety assessment has not been carried out for this mixture.

16: OTHER INFORMATION

Date of printing	:	July 2026
Date of issue	:	July 2026
Revision	:	2
Notice:	:	Take precautionary measures against static discharges
	:	In case of any discomfort always seek medical advice.

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.

Important Note: The information contained in this SDS is not intended to be exhaustive and believed to be correct at the date of its preparation. It is the user's responsibility to verify that this data sheets is current prior to using the product which is detailed in it. Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to its use. Where those purposes are other than as specifically recommended in this safety data sheet, the user then uses the product at their own risk.

Manufacturer's Disclaimer: The conditions, methods and factors effecting the handling, storage, application, use, misuse or disposal of the product are not under the control or knowledge of the Manufacturer. Therefore the Manufacturer does not assume responsibility for any adverse events that may occur in the handling, storage, application, use, misuse or disposal of the product and, so far as permitted by applicable law the Manufacturer expressively disclaims liability for any and all losses, damages and/or expenses arising out of or in any way is connected to the storage, handling, use or disposal of the product. Safe handling, storage and disposal are the responsibility of the users.

Users must comply with all applicable health and safety laws.