

MATERIAL SAFETY DATA SHEET

Conforms to ISO 11014-1

PRODUCT: WATER-BASED FLOOR COATING

1. Product and Company Identification

Commercial name of Product: WATER-BASED WOOD COATING
UN Number: Not controlled C.A.S. number: Mixture

Manufacturer:

Chemicals & Research cc,
12 Regents Avenue,
Anzac,
BRAKPAN

Supplier:

Rystix Sales CC
16 – 7th Avenue
Newton Park
PORT ELIZABETH

Emergency telephone numbers: 0861 – 797 849 Fax: 041 – 365 6973

2. Composition/Information on ingredients

Substance/preparation: Preparation

Information on hazardous ingredients

Chemical name	CAS No.	%	Symbol	R-Phrases
Acrylic Polymer	9003-01-4	45 – 49	Xn	R22, R37
2 Butoxy Ethanol	111-76-2	2,0 – 5,0	T	R20, R23/25, R36/37, R40

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

Physical/chemical hazards: Non-flammable.
Human health hazards: Harmful by inhalation, in contact with the skin and if ingested.
Irritating to the eyes.
Environmental hazards: Toxic to aquatic organisms.

4. First aid measures

Effects and symptoms

Inhalation: Slightly hazardous by inhalation (lung irritant).
Ingestion: Hazardous if ingested.
Skin contact: Harmful in case of skin contact (irritant, sensitizer).
Eye contact: Slightly hazardous in case of eye contact (irritant).
Aggravating conditions: None known.

First aid measures

Inhalation: Allow exposed persons to rest in a well ventilated area.
Ingestion: Do not induce vomiting. Rinse out mouth with copious quantities of water and obtain medical attention.
Skin contact: Swab affected skin with Ethanol and wash with water and soap.

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Eye contact: Check for and remove contact lenses and rinse the eyes with clean water. Obtain medical attention.

Note to Physician: Treat symptomatically.

Protection of first-aiders: Wear a surgical mask and latex gloves.

5. Fire fighting measures

Suitable extinguishing media: Small fire: use dry powder,
Large fire: use alcohol resistant foam, never use strong water jets.

Special fire-fighting procedures: Remove unaffected containers, if safe.
Keep all persons up-wind from fire.

Unusual/explosion hazards: Unopened containers may explode if subjected to fire.

Hazardous thermal decomposition Products: Oxides of Carbon.

Protection of fire-fighters: Fire fighters should wear full turn-out gear and correct type respirators.

6. Accidental release measures

Personal Precautions: Splash goggles, gloves, boots, respirator, full suit.

Environmental precautions
And clean-up methods: Do not spill material to enter sewers or streams. Dyke in if necessary. Absorb spill material onto a suitable absorbant and dispose of in a suitable dump.

7. Handling and storage

Handling: Use chemical resistant gloves to protect hands, together with splash goggles.

Storage: Store in a cool, dry place away from heat and sources of ignition

Suitable packaging materials: Sturdy metal containers.

8. Explosion controls/Personal protection

Engineering controls: Provide adequate ventilation.
Ensure that the correct type of eye wash station is in the vicinity of the work place.

Hygiene measurers: Wash hands before leaving the work place.

Occupational exposure limits:

Hazardous ingredients	TLV/PEL
Acrylic Polymer	TWA: 20 mg/m ³ from ACGIH (1994) Inhalation, Respirable
2 Butoxy Ethanol	TWA: 5 ppm from ACGIH (TLV) [1989] Inhalation, Respirable.

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9. Physical and Chemical properties

Physical state and appearance:	Clear homogenous free-flowing liquid.
Colour:	Colourless to dark straw.
Odour threshold:	Not available.
Boiling point:	>105°C.
Melting point:	<0°C.
Bulk density:	1,02 @ 20°C.
Vapour density:	Not available.
Vapour pressure:	Not available.
Evaporation rate:	>1 (Water)
Solubility:	Soluble in water, less soluble in solvents.
Octanol/water partition coefficient:	The product is more soluble in water than in oil.
pH:	7 – 10 (10% in water).
Flashpoint:	Non-flammable.
Flammability:	Non-flammable.
Auto ignition point:	N.A..
Explosion properties:	Will not form explosive mixtures with air.
Lower explosion limit:	N.A.
Viscosity:	N.A.

10 Stability and reactivity

Stability:	Product is stable.
Conditions to avoid/ materials to avoid:	Exposure to temperatures >65°C should be avoided. Exposure to acids is to be prevented.
Hazardous reactions:	None known.
Hazardous decomposition products:	Oxides of Carbon.

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11. Toxicological information

Acute data [LD50, LC50]
Toxicity to test animals:

Acute oral toxicity for product is >400 mg/Kg (calculated for the product) [Rat].

Local effects:

Skin irritation:

Non-corrosive to the skin.

Eye irritation:

Slightly hazardous in case of eye contact (irritant).

Sensitization:

Harmful in case of skin contact (sensitizer).

Chronic toxicity:

None known.

Specific effects:

Carcinogenic effects:

None known.

Mutagenic effects:

Not available.

Reproduction effects:

Not available.

12. Ecological information

Mobility:

Slightly mobile in nature.

Persistence/degradability:

Product is not freely biodegradable.

Bioaccumulation potential:

Unknown.

Ecotoxicity:

Product is hazardous to aquatic organisms.

13. Disposal considerations

Methods of disposal

Waste or residues

Dispose of in accordance with national legislative requirements.

Contaminated packaging:

Dispose of in accordance with national legislative requirements.

14. Transport information

International transport regulations

UN number:

Not controlled

Land - Road/Railway:

Proper shipping name:

Water-based wood coating, n.o.s.

ADR/RID class:

Not available.

Marginal:

Not known.

Sub-marginal:

Not known.

Packing group:

b.

Hazard identification number:

Not available.

ADR/RID label:

None.

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Sea:

Proper shipping name: Water-based wood coating, n.o.s.
IMDG Class: 9
IMDG label: None
Medical First Aid Guide [MFAG]:
Emergency Schedule [EmS]:
Marine pollutant: P

Air:

Proper shipping name: Water-based wood coating, n.o.s.
UN/ID no.: **Not controlled**
IATA-DGR Class: Not available.
IATA label: None

15. Regulatory information

Hazard symbols: N
Risk phrases: R22 Harmful if swallowed.
R51 Toxic to aquatic organisms.
Safety phrases: S2 Keep out of reach of children,
S13 Keep away for foodstuffs, drink and animal feed.
S46 If ingested seek medical attention and show this document,
Child protection: Prevent children access to this product.
Contains: 2 Butoxy Ethanol

16. Other information

History

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Prepared by: A.L.B. du Plessis

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