

Protectakote Universal Epoxy Primer

This MSDS conforms with General Administrative Regulations dated 6 Sept. 1996. (ISO-11014/ANSIZ400.1.1996)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name: PROTECTAKOTE UNIVERSAL EPOXY PRIMER

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance: solvent base epoxy enamel coating

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Zest Polyurethanes

Alternator Avenue, Montague Gardens, Cape Town, South Africa, 7441, Tel: +27 (021) 555-3090

Further information obtainable from: The Technical Manager, Zest Polyurethanes

1.4 Emergency telephone number: The Technical Manager, Zest Polyurethanes, Tel: +27 (021) 555-3090

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

MAIN HAZARD: SOLVENTS

FLAMMABILITY: FLAMMABLE

CHEMICAL HAZARD: STRONG ALKALI- AVOID CONTACT WITH ACIDS AND HEAT

REPRODUCTIVE HAZARD: NO DATA

EYE EFFECT- EYES: IRRITATION – MAY CAUSE SENSITISATION

HEALTH EFFECTS – SKIN: IRRITATION – MAY CAUSE SENSITISATION

HEALTH EFFECTS – INGESTION: HARMFUL

HEALTH EFFECTS – INHALATION: PROLONGED EXPOSURE – IRRITATION OF RESPIRATORY TRACT, DIZZINESS AND NAUSEA

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with non-hazardous additions

BASE	DIGLYCIDYLETHER OF BISPHENOL A	50-70% by mass
	XYLENE (XYLOL)	15 - 25% by mass
	METHYL ETHYL KETONE	15 - 25% by mass
ACTIVATOR	MODIFIED AMINE	35 – 50% by mass
	N-BUTYL ACETATE	30 – 40% by mass
	XYLENE	5 – 10% by mass

4. FIRST AID MEASURES

4.1 Description of first aid measures

INHALATION: Move to fresh air. In case of any discomfort seek medical attention immediately.

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

EYES: Rinse well with water and seek medical advice if discomfort persists.
 INGESTION: DO NOT INDUCE VOMITING. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents: Foam. Carbon dioxide. Dry powder. Fog to cool and control.

5.2 Special hazards arising from the substance or mixture

Vapours are heavier than air and will accumulate forming explosive concentrations.

5.3 Advice for firefighters

Self contained breathing unit and complete body protection.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Appropriate PPE and equipment.

6.2 Environmental precautions

Contain all spills.

6.3 Methods and material for containment and cleaning up

Soak with absorbent, dispose of in accordance with local regulations.

6.4 Reference to other sections

See section 5

See section 8

See section 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Suitable material: stable under normal conditions

Away from heat and moisture.

7.2 Conditions for safe storage, including any incompatibilities

Away from heat and moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: Adequate ventilation. See items 7.1 and 7.2.

8.1 Control parameters

Occupational exposure limits:	100ppm (Solvents)
Engineering control measures:	Ensure adequate ventilation
Personal Protection-respiratory:	Cartridge-type respirator with cartridge for organic fumes
Personal Protection-hands:	Impervious gloves
Personal Protection-eyes:	Chemical goggles or face shield
Personal Protection-skin:	Protective clothing
Other Protection:	Protective creams for skin

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

	BASE	ACTIVATOR
Physical state:	liquid	liquid
Odour:	aromatic	aromatic
pH:	neutral	alkaline
Flash Point (OC):	40C	40C
Explosive properties:	LEL = 1.1%	UEL = 7.1%
Oxidising properties:	Not applicable	
Vapour density:	heavier than air	
Density:	0.99gcm-3	0.90gcm-3
Solubility (water):	Insoluble	
Solubility (solvent):	Soluble	

10. STABILITY AND REACTIVITY**10.1 Static**

Could produce static discharge - use earthing.

10.2 Stability

Stable if stored under normal conditions. When exposed to abnormally high temperatures containers will bulge and possibly burst. Hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke may be produced.

10.3 Solubility in water

Not soluble, reacts with generation of carbon dioxide gas.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity: LD50>2000mg/kg

Skin and Eye contact: Skin sensitiser

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Aquatic toxicity - fish: Toxic in large quantities

Aquatic toxicity - Daphnia: Toxic in large quantities

Aquatic toxicity - algae: Toxic in large quantities

12.2 Persistence and degradability

Not readily biodegradable.

12.3 Bioaccumulative potential

Has the potential to bioaccumulate.

12.4 Mobility

Sinks in water.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

In accordance with local regulations.

13.2 Disposal of packaging

Dispose to licensed disposal contractor.

14. TRANSPORT INFORMATION**14.1 UN-Number**

UN 1263

14.2 UN proper shipping name

PAINT

14.3 Transport hazard classes

IMO class: 3.3

EA code: 127

HAZCHEM code: 3 (Y)

14.4 Packing group

III

14.5 Environmental hazards

Marine pollutant: P

14.6 Special precautions for user

Danger code (Kemler): 33

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EC Safety phrases:

Risk phrases:	R10	Flammable
	R36/37/38	Irritating to eyes, respiratory system and skin
	R42	May cause sensitisation by inhalation
	R51	Toxic to aquatic organisms
	R65	Harmful: May cause lung damage if swallowed.

Safety phrases: S(1/2)26-36/37/39-45-60-61

EC Label Name:	PAINT
EC Classification:	Flammable. Harmful.
EC Symbols:	Xn, Xi
National legislation	

**16. OTHER INFORMATION**

CONTAINS XYLENE AND IS FLAMMABLE.

*This MSDS conforms with General Administrative Regulations dated 6 Sept. 1996. (ISO-11014/ANSIZ400.1.1996)**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.**These recommendations were extracted from the EcoChem database using the HAZMAN programme..**Updated: February 2015 (this supercedes all previous publications)*