



MATERIAL SAFETY DATA SHEET

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COMPANY DETAILS

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NOTE: The Chemtrec Transportation Emergency Phone is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

1. PRODUCT AND COMPANY IDENTIFICATION:

Trade Name:	Pro-Struct 627 Epoxy Enamel (Matt/Gloss)	Chemical Abstract No:	068121-73-7
Chemical family:	Epoxy Resin Base / Amine Activator	NIOSH No:	
Chemical name:		Hazchem Code	
Synonyms:	Solvent Base Epoxy Enamel Coating	UN No:	1263 Class 3

2. COMPOSITION:

Hazardous components: Base: Diglycidylether of Bisphenol A, Xylol. Activator: Modified Amine, Xylol, Butanol
EEC Classification: Base - Fillers Activator - Fillers
R Phrases: R21/22-34-43-50/53

3. HAZARDOUS IDENTIFICATION:

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, Nausea

4. FIRST AID MEASURES:

Product in eye: Flush with large amounts of water. Consult a physician.
Product on skin: Wash affected area with soap and water. Consult a physician if irritation persists.
Product ingested: Do not induce vomiting. Get medical attention.
Product inhaled: Remove to fresh air. Restore breathing. Get medical attention.

5. FIRE FIGHTING MEASURES:

Extinguishing media: Dry chemical, foam, carbon dioxide, water fog
Special hazards: Vapours are heavier than air and will accumulate forming explosive concentrations
Protective clothing: Self contained breathing unit and complete body protection

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions: Appropriate PPE and equipment.
Environmental precautions: Contain all spills.
Small spills: Soak with absorbent, dispose of in accordance with local regulations
Large spills: Contain spill, soak with absorbent, dispose of in accordance with local regulations

7. HANDLING AND STORAGE:

Suitable material: Stable under normal conditions
Handling / Storage precautions: Away from heat and moisture

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:		
Occupational exposure limits:	100 ppm (Solvents)	
Engineering control measures:	Ensure adequate ventilation	
Personal protection – respiratory:	Approved respirator	
Personal protection – hands:	Impervious gloves	
Personal protection – eyes:	Chemical goggles	
Personal protection – skin:	Protective clothing	
Other protection:	Protective creams for skin	
9. PHYSICAL AND CHEMICAL PROPERTIES:		
Appearance:	Base – Various Coloured Liquids	Activator - Clear to Amber
Odour:	Base - Aromatic	Activator - Aromatic
pH:	Base - Neutral	Activator - Alkaline
Boiling point:	Base - 110 °C	Activator - 80 °C
Melting point:	Not Applicable	
Flash point:	Base = 4 °C	Activator = 4 °C
Flammability:	Flammable	
Auto-flammability:	Not Applicable	
Explosive properties:	LEL = 1.1%	UEL = 7.1%
Oxidising properties:	Not Applicable	
Vapour pressure:	Not Applicable	
Density:	Base = 1.25 ± 0.1	Activator = 1.0 ± 0.1
Solubility – water:	Insoluble	
Solubility – solvent:	Soluble	
10. STABILITY AND REACTIVITY:		
Conditions to avoid:	Keep away from heat, sparks, open flames	
Incompatible materials:	Oxidising agents	
Hazardous decomposition products:	Carbon Monoxide, nitrogen oxides & unidentified organic compounds	
11. TOXICOLOGICAL INFORMATION:		
Acute toxicity:	LD50 > 2000 mg/kg	
Skin and eye contact:	Skin sensitiser	
12. ECOLOGICAL INFORMATION:		
Aquatic toxicity – fish:	Toxic in large quantities	
Aquatic toxicity – daphnia:	Toxic in large quantities	
Aquatic toxicity – algae:	Toxic in large quantities	
Biodegradability:	Not readily bio-degradable	
Bio-accumulation:	Has the potential to bio-accumulate	
Mobility:	Sinks in water	
13. DISPOSAL CONSIDERATIONS:		
Disposal methods:	In accordance with local regulations.	
Disposal of packaging:	Dispose to licensed disposal contractor	
14. TRANSPORT INFORMATION:		
UN No:	1263 Class 3	
Substance identity no:	612-065-00-8	
IMDG – Packaging group:	111	
Tremcard no:		
15. REGULATORY INFORMATION:		
EEC hazard classification:	Label according to EC Directive 67/548/EEC	
Safety phrases:	S(1/2)26-36/37/39-45-60-61	
16. OTHER INFORMATION:		
Contains Xylol and is Flammable		

The information contained herein relates only to the specific material identified. Stoncor Africa (Pty) Ltd believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information.