



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 632R Epoxy Resin High Build

Chemical family: Epoxy Resin Base / Amine Activator

Chemical name:

Synonyms: Solvent Free Epoxy Resin

Chemical Abstract No: 068121-73-7

NIOSH No:

Hazchem Code

UN No: Activator 2735 Class 8

2. COMPOSITION:

Hazardous components: Base - Diglycidylethe of Bisphenol A, Activator - Modified Amine

EEC Classification:

R Phrases: R21/22-34-43-50/53

3. HAZARDOUS IDENTIFICATION:

Main hazard: Activator – Corrosive

Flammability: Not Flammable

Chemical hazard: Strong Alkali - Avoid contact with acids and heat

Reproductive hazard: No Data

Eye effect – eyes: Irritation – product vapour in low concentrations can cause lacrimation, conjunctivitis, corneal edema

Health effects – skin: Irritation

Health effects – ingestion: Irritant– may cause bleeding of the gastrointestinal tract and the vomiting of blood

Health effects – inhalation: Prolonged exposure - irritation of respiratory tract

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: May generate toxic, irritating or flammable combustion products

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, moisture and oxidisers

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION:		
Occupational exposure limits:	Not Established	
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 dark Amber
Odour:	Base - Slight	Activator - Ammoniscal
pH:	Base - Neutral	Activator - Alkaline
Boiling point:	Base - > 200 °C	Activator - > 180 °C
Melting point:	Not Applicable	
Flash point:	Base = > 150 °C	Activator = > 88 °C
Flammability:	Not Flammable	
Auto-flammability:	Not Applicable	
Explosive properties:	Not Applicable	
Oxidising properties:	Not Applicable	
Vapour pressure:	Not Applicable	
Density:	Base = 1.10 ± 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:	Combustion under oxygen starved conditions can produce toxic products	
11. TOXICOLOGICAL INFORMATION:		
Acute toxicity:	LD50 > 2000 mg/kg	
Skin and eye contact:	Severe irritation	
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:	Activator - 2735 Class 8	
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:		
Base - Not dangerous for conveyance under UN code		

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