

# Razeen® SR 5097

## Solid Epoxy Resin



**General** Razeen® SR 5097 is a solid high melt viscosity epoxy resin designed for high quality industrial coatings and for thick-film powder coatings.

**Chemical Description** Razeen® SR 5097 is a solid, unmodified epoxy resin based on bisphenol A.

- Applications**
- Metal decorating finishes
  - Can, drum and tank linings
  - Application primers and enamels
  - Metal furniture finishes
  - Primers for practically all types of substrates

Razeen® SR 5097 is successfully used for the production of powder coatings for:

- Components used in the chemical industry with high chemical and mechanical resistance.
- Tube and pipe coatings

- Advantages**
- Superior flow and wetting properties
  - Excellent batch-to-batch uniformity
  - Excellent solubility characteristics
  - High gloss development with reduced pigment floating and flocculation
  - Good chemical, solvent and water resistance
  - Outstanding adhesion and flexibility

Specific Key Data	Property	Value	Test method
	Appearance	Clear, No contamination	JCTM 002
	Color, Gardner *	3 max	ASTM D-1544
	Epoxy value	0.0520 - 0.066 eq/100g	ASTM D-1652
	Weight per epoxide	1515 - 1920 g/eq	ASTM D-1652
	Bubble Viscosity, 25°C (77°F)*	W - Y	ASTM D-1545

\* 40% in butyl carbitol

*Specific key data are individually checked throughout, guaranteed and included in certificate of analysis.*

Typical Key Data	Property	Value
	Density @ 25°C (77°F)	9.8 lb/gal
	Bulking value @ 25°C (77°F)	0.102 gal/lb
	Specific gravity @ 25°C (77°F)	1.18
	Flash point (closed cup)	>93°C (200°F)

*Typical key data are spot-checked; the values are typical for the product and are indicated for information only. The values are not included in certificate of analysis.*

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**Packaging and Storage** Razeen® SR 5097 is supplied in 25Kg. bags. This product has minimum shelf life of four years when stored in a dry place at room temperature. If stored under warmer conditions, sintering may occur.

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**Handling / Safety Precautions** **Caution! Avoid dusty conditions.**  
Avoid contact with eyes.  
Avoid breathing dust.  
Avoid prolonged or repeated contact with skin.  
When poured, resin can generate static electricity sparks which can ignite flammable vapors or dusts.  
Use with good ventilation.

***Read Material Safety Data Sheet before using  
For Industrial use only.***

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**First Aid** ***In case of contact:***

Eyes : Promptly flush with water for at least 5 minutes.  
Skin : Wash with mild soap and water.  
Inhalation : Remove to fresh air. Give oxygen if breathing is difficult.  
Ingestion : If conscious, give plenty of water. Call a physician.

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**Note** Razeen® is a registered trademark of JANA or an affiliate thereof.

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