

**SILOCK TECHNICAL INC.**

Address: NEVADA 89102 USA

Website: www.silock.com.myREV : 00
DATE : 19th Oct 2012**MATERIAL SAFETY DATA SHEET****4 MINUTES STEEL EPOXY****1. Product & Company Identification****Product Detail**

Product name: 4 Minute Steel Epoxy
Physical form: 2 Component Viscous Liquid Form
Odour: Sulfur- Like
CAS No.: Mixture
Flammability: Combustible.

Company Details

Manufacturer: Silock Technical Inc.
Address: Nevada 89102 USA

2. Composition / Hazardous Components

<u>Chemical Name</u>	<u>CAS No.</u>	<u>WT%</u>
Diphenylolpropane Resin	80-05-7	40 – 60 % (For Part A)
Polyamines	-	40 – 60 % (For Part B)
Polyamercaptan	-	1 – 5 %
Titanium Dioxide	13483-67-7	< 2 %

3. Hazards Identification

Ingestion: Irritation of the mouth, throat and stomach.
Skin contact: May cause sensitization by skin contact.
Inhalation: Harmful by inhalation
Eye contact: May irritate eyes.

4. First-aid Measures

Take off all contaminated clothing immediately.
In case of ingestion: Seek medical advice immediately.
In case of skin contact: Wipe with paper towel and immediately clean with water and soap.
In case of eyes contact: Immediately flush with water, seek medical advice if necessary.
In case of inhalation: Removed to fresh air, keep warm and rest.

5. Fire Fighting Measures

Suitable extinguishing media: Use dry chemical powder, foam, carbon dioxide, water fog, sand and earth.
Unsuitable extinguishing media: Water from a jet.
Hazardous decomposition: Carbon dioxide, carbon monoxide.

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6. Accidental release measures

Exclude sources of ignition and ventilate the area.

Avoid breathing vapours.

Methods for cleaning up:

Take up mechanically.

7. Handling and Storage

Handling:

Avoid contact with eyes and skin. Ensure good ventilation during processing. Wear safety goggles and gloves.

Protection against fire/ explosion:

General rules of fire prevention should be observed.

Storage:

Keep container tightly closed and dry. Store in cold and well-ventilated area.

8. Exposure control / Personal protection

Ingredients with limited values to be controlled:

Not indicated.

Local exhaust:

Recommended

General ventilation:

Recommended

Hand protection:

Suitable protective gloves.

Eye protection:

Safety/ protective glasses.

9. Physical and Chemical Properties

4 Minute Steel Epoxy Resin

Form:

Viscous Liquid

Colour:

Black

Density:

1.70 ± 0.10

Viscosity @spindle No. 5, 20 rpm, 30°C:

40,000 – 80,000 cps

Odour:

Characteristic Odour

Epoxy Molar Mass:

182 – 194g

Boiling point:

> 200°C

Freezing Point:

Crystals sometimes separate at room temperature

Flash point:

> 150°C

Ignition temperature:

> 300°C

Solubility in water:

Immiscible

Incompatibilities:

React with acids and bases

4 Minute Steel Epoxy Hardener

Form:

Viscous Liquid

Colour:

White

Density:

1.60 ± 0.10

Viscosity @spindle No. 5, 20 rpm, 30°C

70,000 – 110,000 cps

Odour:

Characteristic smell.

Amine Value:

300 – 360.

Flash point:

> 265°C.

Note: the above information is not intended for use in preparing specification.

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10. Stability and Reactivity

Chemical stability:	Stable
Incompatibility (material to be avoid):	Acids and bases.
Conditions to be avoid:	High temperature
Dangerous reactions:	None known.
Dangerous products of decomposition:	Carbon dioxide, carbon monoxide.

11. Toxicological Information

Acute toxicity:	Not determined
Primary irritant effect, On the skin:	Irritant for skin and mucous membranes.
On the eye:	Irritant effect
Sensitisation:	Sensitization possible by inhalation.
Additional Toxicological information:	When used and handled according to specification, the product does not have any harmful effects according to the information provided to us.

12. Ecological Information

Complete information not yet available.

13. Disposal Considerations

Do not allow large quantities to enter the drains or water courses or dispose of where ground or surface waters may be affected. Residues in emptied containers should be covered and should be disposing of respect to local regulations.

14. Transport Information

Proper shipping name:	Epoxy
Hazard technical name:	Not available.
Hazard class:	Not available.
No dangerous goods under the transport regulation.	

MATERIAL SAFETY DATA SHEET**4 MINUTES STEEL EPOXY****15. Regulatory Information**

Labeling (EC): This product is classified and labeled for supply in accordance with the classification of hazardous chemical.

Classification: Harmful

Irritant to skin

Risk Phrases: R43 May causes sensitization by skin contact.

R36/38 Irritant to skin

Safety Phrases: S2 Keep out of reach of children.

S28 After contact with skin, wash immediately with plenty of water.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S27 Take off immediately all contaminated clothing.

S37 Wear suitable gloves.

S46 If swallowed, seek medical advice immediately and show this container or label.

16. Other Information

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use and determine whether they are appropriate.

*** End Of MSDS ***