

# SAFETY DATA SHEET

**ECONOSET 50 TC & DC**

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Print Date. .... : May 28, 2015

Revised. .... : January 1, 2015

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name. .... : ECONOSET 50 TC & DC

General Use. .... : A wet refractory mortar.

### MANUFACTURER :

Pryor Giggey Co  
2501 Alexandria Rd.  
Anniston, AL 36201

### TELEPHONE NUMBERS :

M-F 8:00 a.m. - 5:00 p.m. CT

Phone. .... : (256) 237-3373

Fax. .... : (256) 237-3473

Contact Person : Tim Austel

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION:

Carcinogenicity, Category 2  
Eye irritation, Category 2B

Skin irritation, Category 3

Target organ toxicity (repeated)-lungs, Category 1

### LABELING:

**Symbol:** Health hazard

**Signal word:** Warning

**Hazard statement:** Suspected of causing cancer

**Precautionary statement:** Excessive inhalation of dust will increase the risk of silicosis. Some medical studies have concluded that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources. Avoid prolonged exposure to dust. Provide adequate ventilation and use suitable respirators if dust conditions warrant.



## 3. COMPOSITION/HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS Registry #</u>	<u>Percent</u>	<u>Exposure Limits</u>
Alumina silicate	1302-93-8	35-50	OSHA PEL = 15mg/m <sup>3</sup> total dust; 5mg/m <sup>3</sup> respirable dust. ACGIH TLV = 2mg/m <sup>3</sup> resp. dust.
Cristobalite	14464-46-1	<1	OSHA PEL = 1/2[(10mg/m <sup>3</sup> )/(%Silica+2)] resp. dust; ACGIH TLV = 0.025mg/m <sup>3</sup> respirable dust.
Sodium Silicate	1344-09-8	<10	None established. Exposure may be evaluated as NaOH (PEL=2mg/m <sup>3</sup> ; TLV ceiling 2mg/m <sup>3</sup> ).
Quartz	14808-60-7	<3	OSHA PEL = [(10mg/m <sup>3</sup> )/(%Silica+2)] resp. dust; ACGIH TLV = 0.025mg/m <sup>3</sup> respirable dust.
Silica, Amorphous (Glass)	7631-86-9	5-20	OSHA PEL = 80mg/m <sup>3</sup> /% silica ACGIH TLV = 3 mg/m <sup>3</sup> respirable dust.

Some of the above ingredients are integral mineralogical constituents contained within the matrix of the raw materials.

Note 1: ACGIH TLV for total dust with no asbestos and less than one percent crystalline silica



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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point. .... : Not Applicable.  
Vapor Pressure. .... : Not Applicable.  
Vapor Density. .... : Not Applicable.  
Solubility in Water. .... : 1-3 (%)  
Specific Gravity (H<sub>2</sub>O=1). . . : 2.0-2.3  
Melting Point. .... : >3300°F  
pH. .... : 8 - 10

#### 10. STABILITY AND REACTIVITY

Chemical Stability. .... : ECONOSET 50 TC & DC is stable under normal ambient and anticipated conditions of temperature and pressure.  
Incompatible Materials and Conditions to Avoid. .... : None.  
Hazardous Polymerization. . : Will not occur.  
Hazardous Decompositon. . . : Will not occur.

#### 11. TOXICOLOGICAL INFORMATION

There are no known health effects that can arise from the as-manufactured ECONOSET 50 TC & DC. There is no evidence to suggest that ECONOSET 50 TC & DC itself is carcinogenic.

#### 12. ECOLOGICAL INFORMATION

ECONOSET 50 TC & DC is virtually insoluble and immobile and poses no threat to the environment if accidentally released on land or into water.

#### 13. DISPOSAL CONSIDERATIONS

ECONOSET 50 TC & DC as-manufactured is not considered a hazardous waste. However, before destruction of the refractory lining, customers are advised to evaluate any changes to the product that may occur by the introduction of substances or operating conditions outside the control of the vendor.