

**MATERIAL SAFETY DATA SHEET**

PART# 63642504676  
 DATE PRINTED: NOV 26, 2007  
 MSDS NO. 04676A OUTBOUND  
 04676A - Flexible Epoxy Repair/Filler - Part 1 - (Part 2 is 0

**SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

PRODUCT NAME  
 04676A - Flexible Epoxy Repair/Filler - Part 1 - (Part 2 is 04676B)  
 TRADE NAME

MANUFACTURER(4)  
 Saint-Gobain Abrasives, Inc.  
 One New Bond Street  
 Worcester, MA, 01606  
 (508) 795-5000  
 EMERGENCY CONTACT  
 Infotrac  
 EMERGENCY TELEPHONE #1  
 1-800-535-5053  
 REVISION DATE  
 1/29/2007  
 MSDS PRINT FORMAT  
 AUTOUSA

**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

SUBSTANCE DESCRIPTION	PERCENT	CAS#
Carbon Black	1.000- 5.000	1333-86-4
Diglycidyl Ether of Bisphenol-	70.000-100.000	25068-38-6
Silica, Amorphous, SG	5.000- 10.000	112926-00-8
OTHER		

**SECTION 3. HAZARDS IDENTIFICATION**

INHALATION ACUTE EXPOSURE EFFECTS  
 INHALATION CHRONIC EXPOSURE EFFECTS  
 Prolonged or repeated inhalation may be harmful to respiratory system or central nervous system  
 SKIN CONTACT ACUTE EXPOSURE EFFECTS  
 May cause skin sensitization and other allergic responses  
 EYE CONTACT ACUTE EXPOSURE EFFECTS  
 Causes eye irritation  
 INGESTION ACUTE EXPOSURE EFFECTS  
 MEDICAL CONDITIONS AGGRAVATED  
 No medical conditions are generally recognized as being aggravated by exposure.

**SECTION 4. FIRST AID MEASURES**

INHALATION  
 Remove from exposure, restore breathing. Get medical attention.  
 SKIN CONTACT

Wash with soap and water.

EYE CONTACT

Flush eyes with gentle stream of water for at least 15 minutes. Get medical attention.

INGESTION

Do not induce vomiting. Get medical attention immediately.

**SECTION 5. FIRE FIGHTING MEASURES**

FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

HAZARDOUS PRODUCTS/COMBUSTION

FIRE AND EXPLOSION HAZARDS

None listed

EXTINGUISHING METHOD

Carbon Dioxide, Dry Chemical, Foam, Fog Spray

FLASH POINT

500.00 F 260.00 C

FLASH METHOD

TOC

UPPER EXPLOSION LIMIT

NA

LOWER EXPLOSION LIMIT

NA

HAZARD RATING SOURCE

NFPA

HEALTH

FLAMMABILITY

0

REACTIVITY

0

OTHER

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

CLEAN-UP

Ventilate the area. Do not use combustible materials such as sawdust as an absorbent. Remove with inert absorbent material.

**SECTION 7. HANDLING AND STORAGE**

HANDLING

STORAGE

Keep away from heat and open flame

GENERAL COMMENTS

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

VENTILATION PROTECTION

Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid contact with skin and eyes. Avoid breathing vapor. Wash hands after using. During use and until all vapors are gone; keep area ventilated.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted air supplied respirator approved

by NIOSH for protection against materials in Section 2.

SKIN PROTECTION

Wear chemical resistant gloves.

EYE PROTECTION

Use chemical splash goggles in compliance with OSHA regulations.

Consult your safety representative.

OTHER PROTECTION

Intentional misuses by deliberately concentrating and inhaling vapors can be harmful or fatal.

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EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	UNITS	OSHA	ACGIH	MOL
Carbon Black	MG/M3	3.5000	3.5000	0.0000
Diglycidyl Ether of Bisphenol-A	PPM	0.0000	0.0000	0.0000
Silica, Amorphous, SG		0.0000	0.0000	0.0000

LEGEND:

EXPOSURE LIMIT DESCRIPTIONS

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE & ODOR

Black paste with mild odor

SPECIFIC GRAVITY

1.18

VAPOR PRESSURE (mm Hg)

VAPOR DENSITY (Air = 1.0)

Heavier than air

EVAPORATION RATE

Slower than water

VOLATILE %

0.0

lbs/gal

SOLUBILITY IN WATER

No

BOILING POINT

500.00 F      260.00 C

**SECTION 10. STABILITY AND REACTIVITY**

INCOMPATIBILITIES

Acids, amines, mercaptan and strong oxidants

DECOMPOSITION

By fire: CO, H<sub>2</sub>S, SO<sub>2</sub>, NO<sub>2</sub>

POLYMERIZATION

Will not occur.

CONDITIONS TO AVOID

STABILITY

Yes - Under the recommended storage and handling conditions prescribed.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

INHALATION EFFECTS

DERMAL EFFECTS

INGESTION EFFECTS

### **SECTION 12. ECOLOGICAL INFORMATION**

CHEMICAL FATE

### **SECTION 13. DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL

Do not incinerate. Dispose of in accordance with local regulations.

### **SECTION 14. TRANSPORT INFORMATION**

DOT SHIPPING NAME

### **SECTION 15. OTHER INFORMATION**

CARCINOGENICITY

Carbon black has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. It is listed as a carcinogen by The International Agency for Research on Cancer. Epidemiological studies of the incidence of cancer, cardiovascular or respiratory disease in workers in the carbon black producing industry has shown no significant health effects due to occupational exposure to carbon black.

CA PROP 65

TSCA

Section 8(b) - Inventory Status

All components of this product are registered under the regulations of the Toxic Substance Control Act.

DOMESTIC SUBSTANCE LIST

All components of this product are found on the Domestic Substance List.

DISCLAIMER

The above data was compiled from sources believed to be reliable and representing the most reasonable and current opinion on the subject when this sheet was prepared. It is the users responsibility to determine the suitability of the information for the adoption of safety measures necessary to safely use this product either alone or in combination with other products. The user has the responsibility to contact the company to ensure that the MSDS being used in the latest issue.

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KEY TO ABBREVIATIONS:

EQ=Equal

LT=Less Than

GT=Greater Than

AP=Approximately

TR=Trace

ND=No Data available

**MATERIAL SAFETY DATA SHEET**

PART# 63642504676  
 DATE PRINTED: NOV 26, 2007  
 MSDS NO. 04676B OUTBOUND  
 04676B - Flexible Epoxy Repair/Filler - Part 2 - (Part 1 is 0

**SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

PRODUCT NAME  
 04676B - Flexible Epoxy Repair/Filler - Part 2 - (Part 1 is 04676A)  
 TRADE NAME

MANUFACTURER(4)  
 Saint-Gobain Abrasives, Inc.  
 One New Bond Street  
 Worcester, MA, 01606  
 (508) 795-5000

EMERGENCY CONTACT  
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REVISION DATE  
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MSDS PRINT FORMAT  
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**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

SUBSTANCE DESCRIPTION	PERCENT	CAS#
Carbon Black	1.000- 5.000	1333-86-4
Phenol, 2,4,6-tris(dimethylami	7.000- 10.000	90-72-2
Polymercaptan	70.000-100.000	PROPRIETARY
Titanium Dioxide	1.000- 5.000	13463-67-7
OTHER		

**SECTION 3. HAZARDS IDENTIFICATION**

INHALATION ACUTE EXPOSURE EFFECTS  
 INHALATION CHRONIC EXPOSURE EFFECTS  
 Prolonged or repeated inhalation may be harmful to respiratory system or central nervous system

SKIN CONTACT ACUTE EXPOSURE EFFECTS  
 May cause skin sensitization and other allergic responses

EYE CONTACT ACUTE EXPOSURE EFFECTS  
 Causes eye irritation

INGESTION ACUTE EXPOSURE EFFECTS  
 MEDICAL CONDITIONS AGGRAVATED  
 No medical conditions are generally recognized as being aggravated by exposure.

**SECTION 4. FIRST AID MEASURES**

INHALATION  
 Remove from exposure, restore breathing. Get medical attention.

## SKIN CONTACT

Wash with soap and water.

## EYE CONTACT

Flush eyes with gentle stream of water for at least 15 minutes. Get medical attention.

## INGESTION

Do not induce vomiting. Get medical attention immediately.

**SECTION 5. FIRE FIGHTING MEASURES**

## FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

## HAZARDOUS PRODUCTS/COMBUSTION

## FIRE AND EXPLOSION HAZARDS

None listed

## EXTINGUISHING METHOD

Carbon Dioxide, Dry Chemical, Foam, Fog Spray

## FLASH POINT

500.00 F            260.00 C

## FLASH METHOD

## TOC

## UPPER EXPLOSION LIMIT

NA

## LOWER EXPLOSION LIMIT

NA

## HAZARD RATING SOURCE

## HEALTH

## FLAMMABILITY

0

## REACTIVITY

0

## OTHER

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

## CLEAN-UP

Ventilate the area. Do not use combustible materials such as sawdust as an absorbent. Remove with inert absorbent material.

**SECTION 7. HANDLING AND STORAGE**

## HANDLING

## STORAGE

Keep away from heat and open flame

## GENERAL COMMENTS

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## VENTILATION PROTECTION

Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid contact with skin and eyes. Avoid breathing vapor. Wash hands after using. During use and until all vapors are gone; keep area ventilated.

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If personal exposure cannot be controlled below applicable limits by

ventilation, wear a properly fitted air supplied respirator approved by NIOSH for protection against materials in Section 2.

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EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	UNITS	OSHA	ACGIH	MOL
Carbon Black	MG/M3	3.5000	3.5000	0.0000
Phenol, 2,4,6-tris(dimethylamino)me		0.0000	0.0000	0.0000
Polymercaptan		0.0000	0.0000	0.0000
Titanium Dioxide	MG/M3	10.0000	10.0000	0.0000

LEGEND:

EXPOSURE LIMIT DESCRIPTIONS

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE & ODOR

White paste with mercaptan odor

SPECIFIC GRAVITY

1.18

VAPOR PRESSURE (mm Hg)

VAPOR DENSITY (Air = 1.0)

Heavier than air

EVAPORATION RATE

Slower than water

VOLATILE %

0.0

lbs/gal

SOLUBILITY IN WATER

No

BOILING POINT

500.00 F 260.00 C

**SECTION 10. STABILITY AND REACTIVITY**

INCOMPATIBILITIES

Acids, amines, mercaptan and strong oxidants

DECOMPOSITION

By fire: CO, H<sub>2</sub>S, SO<sub>2</sub>, NO<sub>2</sub>

POLYMERIZATION

Will not occur.

CONDITIONS TO AVOID

STABILITY

Yes - Under the recommended storage and handling conditions prescribed.

**SECTION 11. TOXICOLOGICAL INFORMATION**

INHALATION EFFECTS

DERMAL EFFECTS

INGESTION EFFECTS

**SECTION 12. ECOLOGICAL INFORMATION**

CHEMICAL FATE

**SECTION 13. DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL

Do not incinerate. Dispose of in accordance with local regulations.

**SECTION 14. TRANSPORT INFORMATION**

DOT SHIPPING NAME

**SECTION 15. OTHER INFORMATION**

CARCINOGENICITY

Carbon black has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. It is listed as a carcinogen by The International Agency for Research on Cancer. Epidemiological studies of the incidence of cancer, cardiovascular or respiratory disease in workers in the carbon black producing industry has shown no significant health effects due to occupational exposure to carbon black. The International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) have determined that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite. In addition, IARC has determined that there is sufficient evidence for the carcinogenicity of quartz and cristobalite in experimental animals. Among individuals with silicosis, lung cancer occurs more frequently in those who smoke.

CA PROP 65

TSCA

Section 8(b) - Inventory Status

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DOMESTIC SUBSTANCE LIST

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