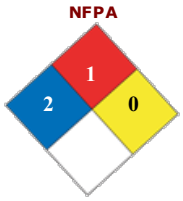
Kit Name	**SMC/Fiberglass Repair Adhesive**
Stock No.	06417
Manufacturer Name:	Saint-Gobain Abrasives, Inc.
Address:	One New Bond Street Worcester, MA 01615

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION



Product Name:	**SMC/Fiberglass Repair Adhesive (Part 1)**
Product Code:	06417A
Synonyms:	SpeedGrip SMC/Fiberglass Repair (40 minutes)
Manufacturer Name:	Saint-Gobain Abrasives, Inc.
Address:	One New Bond Street Worcester, MA 01615
Website:	www.Nortonabrasives.com
General Phone Number:	800-551-4413
Emergency Phone Number:	508-795-5000
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300
Canutec:	In Canada, call CANUTEC: (613) 996-6666 (call collect)

HMIS

Health Hazard	**2**
Fire Hazard	**1**
Reactivity	**0**
Personal Protection	**X**

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Epoxy Resin	Proprietary	100 by weight	

SECTION 3 : HAZARDS IDENTIFICATION

Route of Exposure:	Eye Contact, Skin Contact, Ingestion, Inhalation.
Eye:	May cause eye irritation.
Skin:	May cause skin allergic reaction. May cause skin irritation.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial use.
Chronic Health Effects:	Prolonged or repeated contact may result in dermatitis.

SECTION 4 : FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:	201°F (93.3°C)
Flash Point Method:	Setaflash Closed Cup
Auto Ignition Temperature:	Not determined.

Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use foam, water fog, carbon dioxide (CO2) or dry chemical when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.
Universal Fire And Explosion Hazards:	Sealed containers at elevated temperatures may rupture explosively and spread fire due to polymerization.

NFPA Ratings:

NFPA Health:	2
NFPA Flammability:	1
NFPA Reactivity:	0

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid breathing vapors. Notify appropriate authorities if neccessary. Avoid contact. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Absorb spill with inert material (e,g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in Section 8.
Other Precautions:	Pump or shovel to storage/salvage vessels.

SECTION 7 : HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Special Handling Procedures:	Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.
Hygiene Practices:	Wash thoroughly after handling.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Use neoprene, nitrile or rubber gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

EXPOSURE GUIDELINES

Notes :	Only established PEL and TLV values for the ingredients are listed.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Paste.
Color:	White
Odor:	Mild.
Boiling Point:	Not determined.

Melting Point:	Not determined.
Density:	9.932 lb/gal
Solubility:	Insoluble in water.
Vapor Density:	>1 (air = 1)
Vapor Pressure:	Not determined.
Percent Volatile:	By weight: 0.00 % By Volume: 0.00%
pH:	Not determined.
Flash Point:	201°F (93.3°C)
Flash Point Method:	Setaflash Closed Cup
Auto Ignition Temperature:	Not determined.
VOC Content:	Calculated: 0 lb/gal, 0 g/l

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Will not occur under normal conditions.
Conditions to Avoid:	High temperatures.
Incompatible Materials:	Amines, acids, water, hydroxyl or active hydrogen compounds.
Special Decomposition Products:	Carbon monoxide, carbon dioxide, aldehydes.

SECTION 11 : TOXICOLOGICAL INFORMATION

Epoxy Resin :

RTECS Number:	SL6480000

SECTION 12 : ECOLOGICAL INFORMATION

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:	Dispose in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name:	Non regulated.
DOT UN Number:	Not applicable.
DOT Exemption:	Not regulated in non bulk packages per CFR 49 173.150 (f) (2).

SECTION 15 : REGULATORY INFORMATION

Canadian Regulations.	WHMIS Hazard Class(es): D2B All components of this product are on the Canadian Domestic Substances List.

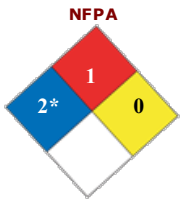
SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard:	2
HMIS Fire Hazard:	1
HMIS Reactivity:	0
HMIS Personal Protection:	X

SDS Creation Date:	October 28, 2010
SDS Revision Date:	July 01, 2013
SDS Author:	Actio Corporation

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION



Product Name:	**SMC/Fiberglass Repair Adhesive (Part 2)**
Product Code:	06417B
Synonyms:	SpeedGrip SMC Fiberglass Repair (40 minutes)
Manufacturer Name:	Saint-Gobain Abrasives, Inc.
Address:	One New Bond Street Worcester, MA 01615
Website:	www.Nortonabrasives.com
General Phone Number:	800-551-4413
Emergency Phone Number:	508-795-5000
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300
Canutec:	In Canada, call CANUTEC: (613) 996-6666 (call collect)

HMIS

Health Hazard	2*
Fire Hazard	1
Reactivity	0
Personal Protection	X

* Chronic Health Effects

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Polyamide resin	Proprietary	30 - 60 by weight	
P-Chlorophenol	106-48-9	10 - 30 by weight	
Amine compound	Proprietary	10 - 30 by weight	612-059-00-5

SECTION 3 : HAZARDS IDENTIFICATION

Emergency Overview:	WARNING! Harmful. Potential Sensitizer Irritant.
Route of Exposure:	Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:	
Eye:	Can cause severe eye irritation and burns. Eye contact may cause permanent damage or blindness.
Skin:	Causes severe skin irritation. May cause permanent skin damage. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.
Inhalation:	Vapor or mist may cause severe respiratory system irritation. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.
Ingestion:	Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.
Chronic Health Effects:	Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.
Signs/Symptoms:	Overexposure may cause eye watering or discomfort, redness and swelling.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing Conditions:	Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

SECTION 4 : FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:	201°F (93.3°C)
Flash Point Method:	Setaflash Closed Cup
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	1.1%
Upper Flammable/Explosive Limit:	6.4%
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use foam, water fog, carbon dioxide (CO2) or dry chemical when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.
Universal Fire And Explosion Hazards:	Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire-exposed containers cool.

NFPA Ratings:

NFPA Health:	2*
NFPA Flammability:	1
NFPA Reactivity:	0

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid breathing vapors. Notify appropriate authorities if necessary. Avoid contact. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Absorb spill with inert material (e,g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in Section 8.
Other Precautions:	Pump or shovel to storage/salvage vessels.

SECTION 7 : HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use. Do not store in reactive metal containers. Keep away from acids, oxidizers.
Special Handling Procedures:	Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.
Hygiene Practices:	Wash thoroughly after handling.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Use neoprene, nitrile or rubber gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

EXPOSURE GUIDELINES

Notes :	Only established PEL and TLV values for the ingredients are listed.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Paste.
Color:	White.
Odor:	Mild.
Boiling Point:	405 - 527°F (207 - 275°C)
Melting Point:	Not determined.
Density:	9.33 lb/gal
Solubility:	Insoluble in water.
Vapor Density:	>1 (air = 1)
Vapor Pressure:	Not determined.
Percent Volatile:	By Weight: 0.00 % By Volume: 0.00%
Evaporation Rate:	Slower than butyl acetate.
pH:	Not determined.
Flash Point:	201°F (93.3°C)
Flash Point Method:	Setaflash Closed Cup
Auto Ignition Temperature:	Not determined.
VOC Content:	0 lb/gal, 0 g/L
Percent Solids by Weight	Not determined.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Will not occur under normal conditions.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions.
Incompatible Materials:	Strong acids, bases and strong oxidizers.
Special Decomposition Products:	Carbon monoxide, carbon dioxide, organic or inorganic nitrogen compounds including traces of hydrogen cyanide. Decomposition due to high temperatures or a fire causes the formation of irritating and/or toxic gases or fumes.

SECTION 11 : TOXICOLOGICAL INFORMATION

P-Chlorophenol :

RTECS Number:	SK2800000
Eye:	Eye - Rabbit Standard Draize test.: 250 ug/24H
Skin:	Administration onto the skin - Rabbit Standard Draize test.: 2 mg/24H Administration onto the skin - Rat LD50: 1000 mg/kg [Brain and Coverings - Other degenerative changes Liver - Other changes Kidney/Ureter/Bladder - Other changes]
Inhalation:	Inhalation - Rat LC50: 11 mg/m3 [Details of toxic effects not reported other than lethal dose value]
Ingestion:	Oral - Rat LD50: 261 mg/kg [Brain and Coverings - Other degenerative changes Liver - Other changes Kidney/Ureter/Bladder - Other changes]

Amine compound :

RTECS Number:	YE6650000
Eye:	Eye - Rabbit Standard Draize test.: 49 mg Eye - Rabbit Standard Draize test.: 20 mg/24H
Skin:	Oral - Rat LD50: 2500 mg/kg [Details of toxic effects not reported other than lethal dose value] Intraperitoneal. - Mouse LD50: 468 mg/kg [Details of toxic effects not reported other than lethal dose value] Intravenous. - Mouse LD50: 350 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Rabbit LD50: 5500 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit LD50: 805 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Mouse LD50: 38.5 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit Open irritation test: 490 mg
Ingestion:	Oral - Rat LD50: 2500 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Mouse LD50: 38.5 mg/kg [Details of toxic effects not reported other than lethal dose value]

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.
RCRA Number:	Not determined.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name:	Non regulated.
DOT UN Number:	Not applicable.
DOT Exemption:	Not regulated in non bulk packages per CFR 49 173.150 (f) (2).

SECTION 15 : REGULATORY INFORMATION

P-Chlorophenol :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Amine compound :

Massachusetts:	Listed
Pennsylvania:	Listed
EC Number:	612-059-00-5
Section 313:	This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372. P-Chlorophenol (CAS # 106-48-9), Weight % Less than 15.0%
Canada WHMIS:	WHMIS Hazard Class(es): D2B; D2A This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard:	2*
HMIS Fire Hazard:	1
HMIS Reactivity:	0
HMIS Personal Protection:	X

SDS Creation Date:	October 28, 2010
SDS Revision Date:	July 01, 2013
SDS Author:	Actio Corporation