



**MSDS Name** SMC/Fiberglass Repair Adhesive - 3 Minutes  
**Manufacturer Name** Saint-Gobain Abrasives, Inc.  
**Stock No.** 04671  
**Kit MSDS Revision Date** 07/01/2013

Components	
	SMC/Fiberglass Repair Adhesive - 3 Minutes (Part 1)
	SMC/Fiberglass Repair Adhesive - 3 Minutes (Part 2)
Saint-Gobain Abrasives, Inc. Product Code : 04671	

## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SMC/Fiberglass Repair Adhesive - 3 Minutes (Part 1)  
**Product Code:** 04671A  
**MSDS Manufacturer Number:** 04671A  
**Synonyms:** SMC/Fiberglass Urethane Adhesive-3  
**Manufacturer Name:** Saint-Gobain Abrasives, Inc.  
**Address:** 1 New Bond Street  
Worcester, MA 01615  
**General Phone Number:** 508-795-5000  
**Emergency Phone Number:** 508-795-5000  
**Website:** www.Nortonabrasives.com  
**MSDS Creation Date:** 08/09/2010  
**MSDS Revision Date:** 07/01/2013



HMIS	
Health Hazard	2
Fire Hazard	1
Reactivity	1
Personal Protection	1

\* Chronic Health Effects

## SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Talc	14807-96-6	5 - 10 by weight
4,4 DiPhenylmeth.DiIsocyanate	101-68-8	30 - 60 by weight
Amorphous silica	68611-44-9	3 - 7 by weight
Urethane Prepolymer	Trade Secret	15 - 40 by weight
MDI Homopolymer	25686-28-6	10 - 30 by weight
Aluminum Oxide	1344-28-1	1 - 5 by weight
Sodium Oxide	1313-59-3	1 - 5 by weight
Calcium Monoxide	1305-78-8	1 - 5 by weight
Silicon Dioxide	7631-86-9	1 - 5 by weight

## SECTION 3 : HAZARDS IDENTIFICATION

**Emergency Overview:** WARNING! Potential Sensitizer. Irritant.

<b>Route of Exposure:</b>	Eyes. Skin. Inhalation. Ingestion.
<b>Potential Health Effects:</b>	
<b>Eye:</b>	Can cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury..
<b>Skin:</b>	Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.
<b>Inhalation:</b>	Respiratory tract irritant. High concentration may cause dizziness, headache, and anesthetic effects. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.
<b>Ingestion:</b>	Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.

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## SECTION 4 : FIRST AID MEASURES

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<b>Eye Contact:</b>	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.
<b>Skin Contact:</b>	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.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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## SECTION 5 : FIRE FIGHTING MEASURES

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<b>Flash Point:</b>	200°F (93.3°C)
<b>Flash Point Method:</b>	SETA
<b>Auto Ignition Temperature:</b>	Not determined.
<b>Lower Flammable/Explosive Limit:</b>	Not determined.
<b>Upper Flammable/Explosive Limit:</b>	Not determined.
<b>Fire Fighting Instructions:</b>	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.
<b>Extinguishing Media:</b>	Use water fog, carbon dioxide (CO <sub>2</sub> ) or dry chemical when fighting fires involving this material.
<b>Unsuitable Media:</b>	Water or foam may cause frothing.
<b>Protective Equipment:</b>	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Unusual Fire Hazards:</b>	Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.
<b>Hazardous Combustion Byproducts:</b>	May form carbon dioxide and carbon monoxide, hydrogen cyanide, nitrogen compounds, various hydrocarbons.
<b><u>NFPA Ratings:</u></b>	
NFPA Flammability:	1
NFPA Health:	2
NFPA Reactivity:	1

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## SECTION 6 : ACCIDENTAL RELEASE MEASURES

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<b>Spill Cleanup Measures:</b>	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.
<b>Personnel Precautions:</b>	Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
<b>Environmental Precautions:</b>	Avoid runoff into storm sewers, ditches, and waterways.
<b>Other Precautions:</b>	Pump or shovel to storage/salvage vessels.

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## SECTION 7 : HANDLING and STORAGE

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<b>Handling:</b>	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
<b>Storage:</b>	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
<b>Special Handling Procedures:</b>	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.
<b>Hygiene Practices:</b>	Wash thoroughly after handling.

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## SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

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<b>Engineering Controls:</b>	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.
<b>Eye/Face Protection:</b>	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.
<b>Skin Protection Description:</b>	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
<b>Respiratory Protection:</b>	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.
<b>Other Protective:</b>	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

### EXPOSURE GUIDELINES

#### **Talc:**

<b>Guideline ACGIH:</b>	2 mg/m <sup>3</sup> TLV-TWA: 1 mg/m <sup>3</sup> Respirable fraction (R) TLV-TWA: 2 mg/m <sup>3</sup> Respirable fraction (R)
<b>Guideline OSHA:</b>	20 mppcf PEL-TWA: 20 mppcf

#### **4,4 DiPhenylmeth.DiIsocyanate:**

<b>Guideline ACGIH:</b>	0.005 ppm TLV-TWA: 0.005 ppm
<b>Guideline OSHA:</b>	PEL-Ceiling/Peak: 0.02 ppm

#### **Aluminum Oxide:** **Calcium Monoxide:**

<b>Guideline ACGIH:</b>	TLV-TWA: 2 mg/m <sup>3</sup> TLV-TWA: 2 mg/m <sup>3</sup>
<b>Guideline OSHA:</b>	PEL-TWA: 5 mg/m <sup>3</sup>

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## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

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Boiling Point:	410 °F (210 °C)
Melting Point:	Not determined.
Density:	Liquid Density: 10.720 lbs/gal @ 77.00 F 1.288 kg/l @ 25.00 C
Specific Gravity:	1.288 @ 77 Deg F
Solubility:	Insoluble in water.
Vapor Density:	> 1.000 (air = 1)
Vapor Pressure:	< 0.010 mmHg @ 77.00 Deg F
Evaporation Rate:	Slower than ethyl ether.
Flash Point:	200°F (93.3°C)
Flash Point Method:	SETA
Auto Ignition Temperature:	Not determined.
VOC Content:	0.0 g/l

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## SECTION 10 : STABILITY and REACTIVITY

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Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Product may undergo hazardous polymerization. Avoid contact with strong alkalis, strong mineral acids and water.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions.
Incompatible Materials:	Oxidizers, acids, and chlorinated organic compounds. Reactive metals (e.g. sodium, calcium, zinc). Sodium/calcium hypochlorite. Nitrous acid/ oxide, nitrites. Peroxides. Materials reactive with hydroxyl compounds.
Special Decomposition Products:	May form carbon dioxide and carbon monoxide, hydrogen cyanide, nitrogen compounds, various hydrocarbons.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

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RTECS Number:	WW2710000
<b><u>4,4 DiPhenylmeth.DiIsocyanate:</u></b>	
RTECS Number:	NQ9350000
Eye:	Eye - Rabbit Standard Draize test.: 100 mg
Skin:	Oral - Rat LD50: 9200 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Nutritional and Gross Metabolic - Body temperature decrease] Oral - Mouse LD50: 2200 mg/kg [Details of toxic effects not reported other than lethal dose value]
Inhalation:	Inhalation - Rat LC50: 178 mg/m3 [Details of toxic effects not reported other than lethal dose value]
Ingestion:	Oral - Rat LD50: 9200 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Nutritional and Gross Metabolic - Body temperature decrease] Oral - Mouse LD50: 2200 mg/kg [Details of toxic effects not reported other than lethal dose value]

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## SECTION 12 : ECOLOGICAL INFORMATION

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

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## SECTION 13 : DISPOSAL CONSIDERATIONS

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**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:** None.

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## SECTION 14 : TRANSPORT INFORMATION

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**DOT UN Number:** Non regulated.  
**IATA Shipping Name:** Non regulated.  
**IATA UN Number:** Non regulated.

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## SECTION 15 : REGULATORY INFORMATION

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**Talc:**

**TSCA Inventory Status:** Listed  
**Canada DSL:** Listed

**4,4 DiPhenylmeth.DiIsocyanate :**

**TSCA Inventory Status:** Listed  
**SARA:** EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical.  
**Canada DSL:** Listed  
**EC Number:** 615-005-00-9

**Aluminum Oxide :**

**TSCA Inventory Status:** Listed  
**New Jersey:** Listed: NJ Hazardous List; Substance Number: 2891  
**Pennsylvania:** Listed  
**Canada DSL:** Listed

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## SECTION 16 : ADDITIONAL INFORMATION

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**HMIS Fire Hazard:** 1  
**HMIS Health Hazard:** 2  
**HMIS Reactivity:** 1  
**HMIS Personal Protection:** 1  
**MSDS Creation Date:** 08/09/2010  
**MSDS Revision Date:** 07/01/2013

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## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

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**Product Name:** **SMC/Fiberglass Repair Adhesive - 3 Minutes (Part 2)**  
**Product Code:** 04671B  
**MSDS Manufacturer Number:** 04671B  
**Synonyms:** SMC/Fiberglass Urethane Adhesive - 3  
**Manufacturer Name:** Saint-Gobain Abrasives, Inc.  
**Address:** 1 New Bond Street  
Worcester, MA 01615  
**General Phone Number:** 508-795-5000



**HMIS**

Health Hazard	2
Fire Hazard	1

Emergency Phone Number: 508-795-5000  
Website: www.Nortonabrasives.com  
MSDS Creation Date: 10/12/2010  
MSDS Revision Date: 07/01/2013

<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>1</b>

\* Chronic Health Effects

## SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Polyether Polyol	Trade Secret	40 - 70 by weight
Talc	14807-96-6	10 - 30 by weight
Magnesium Lithium Silicate (Clay)	71011-26-2	1 - 5 by weight
Amorphous Silica	Trade Secret	1 - 5 by weight

## SECTION 3 : HAZARDS IDENTIFICATION

<b>Emergency Overview:</b>	WARNING! Potential Sensitizer. Irritant.
<b>Route of Exposure:</b>	Eyes. Skin. Inhalation. Ingestion.
<b>Potential Health Effects:</b>	
<b>Eye:</b>	Can cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury..
<b>Skin:</b>	Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.
<b>Inhalation:</b>	Respiratory tract irritant. High concentration may cause dizziness, headache, and anesthetic effects. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.
<b>Ingestion:</b>	Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.

## SECTION 4 : FIRST AID MEASURES

<b>Eye Contact:</b>	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.
<b>Skin Contact:</b>	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.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
<b>Ingestion:</b>	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

<b>Flash Point:</b>	200°F (93.3°C)
<b>Flash Point Method:</b>	SETA
<b>Auto Ignition Temperature:</b>	Not determined.
<b>Lower Flammable/Explosive Limit:</b>	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 regular foam (such as AFFF), 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.
Hazardous Combustion Byproducts:	May form carbon dioxide and carbon monoxide, nitrogen compounds, various hydrocarbons.
Universal Fire And Explosion Hazards:	Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.
<b><u>NFPA Ratings:</u></b>	
NFPA Flammability:	1
NFPA Health:	2
NFPA Reactivity:	0

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## SECTION 6 : ACCIDENTAL RELEASE MEASURES

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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.
Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Other Precautions:	Pump or shovel to storage/salvage vessels.

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## SECTION 7 : HANDLING and STORAGE

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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.

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## SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

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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:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.

<b>Respiratory Protection:</b>	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.
<b>Other Protective:</b>	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

#### EXPOSURE GUIDELINES

##### **Talc:**

<b>Guideline ACGIH:</b>	2 mg/m <sup>3</sup> TLV-TWA: 1 mg/m <sup>3</sup> Respirable fraction (R) TLV-TWA: 2 mg/m <sup>3</sup> Respirable fraction (R)
<b>Guideline OSHA:</b>	20 mppcf PEL-TWA: 20 mppcf

#### SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

<b>Boiling Point:</b>	Not determined.
<b>Melting Point:</b>	Not determined.
<b>Density:</b>	Liquid Density: 10.200 lbs/gal @ 77 Deg F; 1.225 kg/l @ 25.00 Deg C
<b>Specific Gravity:</b>	1.225
<b>Solubility:</b>	Insoluble in water.
<b>Vapor Density:</b>	Specific Vapor Density: > 1.000 (air = 1)
<b>Percent Volatile:</b>	< 1.0 %
<b>Evaporation Rate:</b>	Slower than ethyl ether.
<b>Flash Point:</b>	200°F (93.3°C)
<b>Flash Point Method:</b>	SETA
<b>Auto Ignition Temperature:</b>	Not determined.
<b>VOC Content:</b>	0.0 g/l

#### SECTION 10 : STABILITY and REACTIVITY

<b>Chemical Stability:</b>	Stable under normal temperatures and pressures.
<b>Hazardous Polymerization:</b>	Not reported.
<b>Conditions to Avoid:</b>	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions.
<b>Incompatible Materials:</b>	Avoid contact with strong alkalis, strong mineral acids, strong oxidizing agents.
<b>Special Decomposition Products:</b>	May form carbon dioxide and carbon monoxide, nitrogen compounds, various hydrocarbons.

#### SECTION 11 : TOXICOLOGICAL INFORMATION

<b>RTECS Number:</b>	WW2710000
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#### SECTION 12 : ECOLOGICAL INFORMATION

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

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## SECTION 13 : DISPOSAL CONSIDERATIONS

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**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:** None.

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## SECTION 14 : TRANSPORT INFORMATION

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**DOT Shipping Name:** Non regulated.

**DOT UN Number:** Non regulated.

**IATA Shipping Name:** Non regulated.

**IATA UN Number:** Non regulated.

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## SECTION 15 : REGULATORY INFORMATION

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**Talc:**

**TSCA Inventory Status:** Listed

**Canada DSL:** Listed

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## SECTION 16 : ADDITIONAL INFORMATION

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**HMIS Fire Hazard:** 1

**HMIS Health Hazard:** 2

**HMIS Reactivity:** 0

**HMIS Personal Protection:** 1

**MSDS Creation Date:** 10/12/2010

**MSDS Revision Date:** 07/01/2013

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