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## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Coated Abrasive  
**MSDS Manufacturer Number:** CA\_All  
**Manufacturer Name:** Saint-Gobain Abrasives, Inc.  
**Address:** 1 New Bond Street  
Worcester, MA 01615  
**Website:** www.Nortonabrasives.com  
**General Phone Number:** 508-795-5000  
**Emergency Phone Number:** 508-795-5000  
**MSDS Creation Date:** August 15, 2009  
**MSDS Revision Date:** October 28, 2014



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

## SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Epoxy resin	25068-38-6	1 - 5 by weight	
Silicon carbide	409-21-2	10 - 30 by weight	206-991-8
Aluminum Silicates	No Data	1 - 5 by weight	
Phenol formaldehyde polymer	9003-35-4	5 - 10 by weight	
Paper - Processed Cellulose	9004-34-6	30 - 60 by weight	232-674-9

## SECTION 3 : HAZARDS IDENTIFICATION

### Potential Health Effects:

**Eye:** Dust may cause slight irritation.

**Skin:** Dust from this product may cause temporary mechanical irritation.

**Inhalation:** Dusts from this product may cause mechanical irritation of the nose, throat and respiratory tract.

**Ingestion:** Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances.

**Chronic Health Effects:** Chronic health effects are not expected as long as good hygiene and proper safety precautions are practiced.

**Phenol formaldehyde polymer**

**Chronic Health Effects:** Dust generated from intended use may contain trace amounts of phenol and formaldehyde which under excessive exposure may cause skin sensitization and airway obstruction.

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**SECTION 4 : FIRST AID MEASURES**

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**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 medical attention, if irritation or symptoms of overexposure persists.

**Skin Contact:** Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.

**Inhalation:** If dust from cutting or drilling is inhaled, remove the affected person to fresh air. If symptoms persist, get medical attention.

**Ingestion:** Accidental ingestion of this material is unlikely. If this does occur, watch person for several days to make sure intestinal blockage does not occur. If symptoms persist, call a physician.

**Note to Physicians:** No information available.

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**SECTION 5 : FIRE FIGHTING MEASURES**

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**Flammable Properties:** Non Flammable.

**Flash Point:** Does not apply.

**Auto Ignition Temperature:** Not determined.

**Lower Flammable/Explosive Limit:** Not available.

**Upper Flammable/Explosive Limit:** Not available.

**Extinguishing Media:** Use any extinguishing media appropriate for the surrounding fires.

**Unsuitable Media:** None.

**Protective Equipment:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA Ratings:**

**NFPA Health:** 1

**NFPA Flammability:** 0

**NFPA Reactivity:** 1

**NFPA Other:**

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**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

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**Methods for containment:** Containment of this material should not be necessary.

**Methods for cleanup:** Shovel or sweep up for re-use or disposal. Avoid creating dusty conditions. Evaluate residue to determine if it is a hazardous waste by characteristic. Dispose of in accordance with Local, State, Federal and Provincial regulations.

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## SECTION 7 : HANDLING and STORAGE

<b>Handling:</b>	Handle with adequate ventilation for nuisance dust.
<b>Storage:</b>	No special storage conditions required.
<b>Hygiene Practices:</b>	Wear suitable gloves and eye/face protection.

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

<b>Engineering Controls:</b>	General dilution ventilation and/or local exhaust ventilation should be provided as necessary to maintain exposures below occupational exposure limits.
<b>Eye/Face Protection:</b>	Always WEAR SAFETY GLASSES or some type of eye protection when grinding.
<b>Skin Protection Description:</b>	Protective gloves. Long sleeved shirt and long pants.
<b>Respiratory Protection:</b>	When workers are facing airborne particulate/dust concentrations above the exposure limit they must use appropriate certified respirators. A properly fitted NIOSH approved disposable N 95 type dust respirator or better is recommended.
<b>Other Protective:</b>	Use of this product may create elevated sound levels. Hearing protection should be worn where required (see OSHA 29 CFR 1910.134 and other applicable regulations).
<b>General Hygiene Considerations:</b>	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Avoid getting dust into boots and gloves through wrist bands and pant tucks.

### EXPOSURE GUIDELINES

Ingredient	Guideline OSHA	Guideline NIOSH	Guideline ACGIH	Quebec Canada	Ontario Canada
Silicon carbide	PEL-TWA: 15 mg/m3 Total particulate/dust (T) PEL-TWA: 5 mg/m3 Respirable fraction (R)		TLV-TWA: 10 mg/m3 Inhalable fraction (I) TLV-TWA: 3 mg/m3 Respirable fraction (R) TLV-TWA: 0.1 f/cc Respirable fraction (R)	VEMP-TWA: 10 mg/m3 Total particulate/dust (T)	OEL-TWAEV: 10 mg/m3 Total particulate/dust (T) OEL-TWAEV: 3 mg/m3 Respirable fraction (R) OEL-TWAEV: 10 mg/m3 Inhalable fraction (I) OEL-TWAEV: 0.1 f/cc Respirable fraction (R)
Paper - Processed Cellulose	PEL-TWA: 15 mg/m3 Total particulate/dust (T) PEL-TWA: 5 mg/m3 Respirable fraction (R)	REL-TWA: 10 mg/m3 Total particulate/dust (T) REL-TWA: 5 mg/m3 Respirable fraction (R)	TLV-TWA: 10 mg/m3	VEMP-TWA: 10 ppm Total particulate/dust (T)	OEL-TWAEV: 10 mg/m3 Total particulate/dust (T)
Ingredient	Alberta Canada	Mexico	British Columbia Canada		
Silicon carbide	OEL-TWA: 10 mg/m3	LMPE-PPT: 10 mg/m3 LMPE-CT: 20 mg/m3	OEL-TWA: 10 mg/m3 Inhalable fraction (I) OEL-TWA: 3 mg/m3 Respirable fraction (R) OEL-TWA: 0.1 f/cc Respirable fraction (R)		
Paper - Processed Cellulose	OEL-TWA: 10 mg/m3	LMPE-PPT: 10 mg/m3 LMPE-CT: 20 mg/m3	OEL-TWA: 3 mg/m3 Respirable fraction (R) OEL-TWA: 10 mg/m3 Total particulate/dust (T)		

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

<b>Physical State Appearance:</b>	Solid article.
<b>Odor:</b>	Odorless.

Flash Point: Does not apply.  
Auto Ignition Temperature: Not determined.

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## SECTION 10 : STABILITY and REACTIVITY

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Chemical Stability: Stable under normal conditions.  
Hazardous Polymerization: Hazardous polymerization does not occur.  
Conditions to Avoid: Keep away from heat, sparks, or open flame.  
Special Decomposition Products: In use, dust and decomposing odors may be generated. In most cases, the material removed from the workplace will be significantly greater than the sandpaper components.  
Coolants may produce other decomposition products.  
Thermal decomposition may produce trace amounts of ammonia and formaldehyde.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

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Acute Toxicity: This product has not been tested for its toxicity.

### Epoxy resin :

RTECS Number: SL6475000  
Eye: Eye - Rabbit Standard Draize test.: 100 mg [mild] (RTECS)  
Ingestion: Oral - Rat LD50 : 11400 mg/kg [Behavioral - Somnolence (general depressed activity) Lungs, Thorax, or Respiration - Dyspnea Nutritional and Gross Metabolic - Weight loss or decreased weight gain]  
Oral - Mouse LD50 : 15600 mg/kg [Behavioral - Somnolence (general depressed activity) Lungs, Thorax, or Respiration - Dyspnea Nutritional and Gross Metabolic - Weight loss or decreased weight gain] (RTECS)

### Silicon carbide :

RTECS Number: VW0450000  
Inhalation: No Data

### Aluminum Silicates :

RTECS Number: VV8912500

### Phenol formaldehyde polymer :

RTECS Number: SM8542500  
Skin: Administration onto the skin - Rat LD50 : >2 gm/kg [Details of toxic effects not reported other than lethal dose value ] (RTECS)  
Ingestion: Oral - Rat LD50 : >5 gm/kg [Details of toxic effects not reported other than lethal dose value ] (RTECS)

### Paper - Processed Cellulose :

RTECS Number: FJ5691460  
Inhalation: Inhalation - Rat LC50: >5800 mg/m<sup>3</sup>/4H [Details of toxic effects not reported other than lethal dose value] (RTECS)  
Ingestion: Oral - Rat LD50: >5 gm/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

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## SECTION 12 : ECOLOGICAL INFORMATION

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Ecotoxicity: No ecotoxicity data was found for the product.

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**SECTION 13 : DISPOSAL CONSIDERATIONS**

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**Waste Disposal:** Use standard landfill methods consistent with applicable Federal, State, Provincial and local laws.

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**SECTION 14 : TRANSPORT INFORMATION**

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**DOT Shipping Name:** Not regulated as hazardous material for transportation.

**DOT UN Number:** Not regulated as hazardous material for transportation.

**IATA Shipping Name:** Not regulated as hazardous material for transportation.

**Canadian Shipping Name:** This product is Not Regulated under the Transportation of Dangerous Goods Act. (CAN).

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**SECTION 15 : REGULATORY INFORMATION**

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**Inventory Status**

	<b>EINECS Number</b>	<b>Canada DSL</b>	<b>TSCA Inventory Status</b>		
Epoxy resin		Listed	Listed		
Silicon carbide		Listed	Listed		
Aluminum Silicates		Listed	Listed		
Phenol formaldehyde polymer		Listed	Listed		
Paper - Processed Cellulose	232-674-9	Listed	Listed		

**Silicon carbide :**

**EC Number:** 206-991-8

**Paper - Processed Cellulose :**

**EC Number:** 232-674-9

**State Right To Know**

	<b>PA</b>	<b>MA</b>			
Silicon carbide	Listed	Listed			
Paper - Processed Cellulose	Listed	Listed			

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**SECTION 16 : ADDITIONAL INFORMATION**

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MSDS Creation Date: August 15, 2009  
MSDS Revision Date: October 28, 2014

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