

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

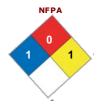
Product Name: **Coated Abrasive**

MSDS Manufacturer Number: CA_All

Manufacturer Name: Saint-Gobain Abrasives, Inc. 1 New Bond Street Address: Worcester, MA 01615

General Phone Number: 508-795-5000 Emergency Phone Number: 508-795-5000

Website: www.Nortonabrasives.com MSDS Creation Date: August 15, 2009 MSDS Revision Date: July 01, 2013



Health Hazard 1	
Fire Hazard 0	
Reactivity 0	
Personal Protection	

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Polymer/solids	No Data	5 - 10 by weight	
Backing(Poly/Nylon)	No Data	10 - 30 by weight	
Inorganic fluorides	Not Applicable	1 - 5 by weight	
Epoxy resin	25068-38-6	1 - 5 by weight	
Calcium Silicate	13983-17-0	1 - 5 by weight	237-772-5
Precipitated Calcium Carbonate	471-34-1	1 - 5 by weight	207-439-9
Cotton	No Data	10 - 30 by weight	
Aluminum Oxide, Non-fibrous	1344-28-1	10 - 30 by weight	215-691-6
Phenol formaldehyde polymer	9003-35-4	10 - 30 by weight	

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

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

Phenol formaldehyde polymer

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

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 medical attention, if irritation or symptoms of overexposure persists.

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

> Coated Abrasive UPC Number: 08834121115 CA_AI Revision: 07/01/2013

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

get medical attention.

Accidental ingestion of this material is unlikely. If this does occur, watch person for several days to Ingestion:

make sure intestinal blockage does not occur. If symptoms persist, call a physician.

Note to Physicians: No information available.

SECTION 5: FIRE FIGHTING MEASURES

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:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or Protective Equipment:

equivalent) and full protective gear.

NFPA Ratings:

NFPA Flammability: 0 NFPA Reactivity:

NFPA Other:

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

SECTION 7: HANDLING and STORAGE

Handling: Handle with adequate ventilation for nuisance dust.

Storage: No special storage conditions required.

Hygiene Practices: Wear suitable gloves and eye/face protection.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

General dilution ventilation and/or local exhaust ventilation should be provided as necessary to **Engineering Controls:**

maintain exposures below occupational exposure limits

Eye/Face Protection: Always WEAR SAFETY GLASSES or some type of eye protection when grinding.

Skin Protection Description:

Protective gloves. Long sleeved shirt and long pants.

Respiratory Protection: 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.

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).

Handle in accordance with good industrial hygiene and safety practice. General Hygiene Considerations:

Remove and wash contaminated clothing before re-use. Avoid getting dust into boots and gloves through wrist bands and pant tucks.

EXPOSURE GUIDELINES

Other Protective:

Ingredient	Guideline OSHA	Guideline NIOSH	Guideline ACGIH	Quebec Canada	Ontario Canada
Inorganic fluorides	PEL-TWA 2.5 mg/m3	REL-TWA 2.5 mg/m3	TLV-TWA 2.5 mg/m3		
Calcium Silicate	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)	VEMP-TWA: 10 mg/m3 Total particulate/dust (T) VEMP-TWA: 5 mg/m3 Respirable fraction (R)	
Precipitated Calcium Carbonate	PEL-TWA: 5 mg/m3 Respirable fraction (R) PEL-TWA: 15 mg/m3 Total particulate/dust (T)			VEMP-TWA: 10 mg/m3 Total particulate/dust (T)	OEL-TWAEV: 10 mg/m3 OEL-TWAEV: 10 mg/m3
Aluminum Oxide, Non-	PEL-TWA: 5 mg/m3		TLV-TWA: 10 mg/m3	VEMP-TWA: 10	OEL-TWAEV: 10

fibrous	Respirable fraction (R) PEL-TWA: 15 mg/m3 Total particulate/dust (T)			mg/m3 Total particulate/dust (T)	mg/m3 Total particulate/dust (T)
Ingredient	Alberta Canada	Mexico	British Columbia Canada		
Precipitated Calcium Carbonate	OEL-TWA: 10 mg/m3 OEL-TWA: 5 mg/m3 Respirable fraction (R) OEL-TWA: 10 mg/m3 Total particulate/dust (T)	LMPE-PPT: 10 mg/m3 Inhalable fraction (I) LMPE-CT: 20 mg/m3 Inhalable fraction (I)	OEL-TWA: 3 mg/m3 Respirable fraction (R) OEL-TWA: 10 mg/m3 Total particulate/dust (T) OEL-STEL: 20 mg/m3 Total particulate/dust (T)		
Aluminum Oxide, Non- fibrous	OEL-TWA: 10 mg/m3	MPE-PPT: 0.1 mg/m3 Respirable fraction (R)	OEL-TWA: 3 mg/m3 Respirable fraction (R) OEL-TWA: 10 mg/m3 OEL-TWA: 10 mg/m3 Total particulate/dust (T) OEL-STEL: 20 mg/m3 Total particulate/dust (T)		

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Solid article. Physical State Appearance: Odorless. Flash Point: Does not apply. Auto Ignition Temperature: Not determined.

SECTION 10: STABILITY and REACTIVITY

Chemical Stability: Stable under normal conditions.

Hazardous Polymerization: Hazardous polymerization does not occur. Keep away from heat, sparks, or open flame.

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. Special Decomposition Products:

SECTION 11: TOXICOLOGICAL INFORMATION

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

Aluminum Oxide, Non-fibrous:

ACGIH: A4 Not Classifiable as a Human Carcinogen

NIOSH: No Data OSHA: No Data IARC: No Data NTP: No Data

Epoxy resin:

SL6475000 RTECS Number:

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)

Calcium Silicate:

RTECS Number: ZC9750000

Precipitated Calcium Carbonate:

RTECS Number: FF9335000

Eye: Eye - Rabbit Standard Draize test.: 750 ug/24H (RTECS)

Skin: Administration onto the skin - Rabbit Standard Draize test.: 500 mg/24H (RTECS)

Ingestion: Oral - Rat LD50: 6450 mg/kg [Details of toxic effects not reported other than lethal dose value]

(RTECS)

Aluminum Oxide, Non-fibrous:

RTECS Number: BD1200000

Inhalation - Rat TCLo: 200 mg/m3/5H/28W (Intermittent) [Lungs, Thorax, or Respiration - Structural or functional change in trachea or bronchi; Lungs, Thorax, or Respiration - Chronic pulmonary edema; Related to Chronic Data - death] (RTECS) Inhalation:

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)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

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).

SECTION 15: REGULATORY INFORMATION

Inventory Status

	Canada DSL	TSCA Inventory		
	Canada DSL	Status		
Epoxy resin	Listed	Listed		
Calcium Silicate		Listed		
Precipitated Calcium Carbonate	Listed	Listed		
Aluminum Oxide, Non-fibrous	Listed	Listed		
Phenol formaldehyde polymer	Listed	Listed		

<u>Aluminum Oxide, Non-fibrous</u>:

Canada IDL: Identified under the Canadian Hazardous Products Act Ingredient Disclosure List: 0.1%.50(1298)

<u>Calcium Silicate</u>:

EC Number: 237-772-5

Precipitated Calcium Carbonate:

EC Number: 207-439-9

<u>Aluminum Oxide, Non-fibrous</u>:

EC Number: 215-691-6

State Right To Know

	RI	MN	IL	PA	MA
Aluminum Oxide, Non-fibrous	Listed	Listed	No Data	Listed	Listed

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Aluminum Oxide, Non-fibrous	Listed: NJ Hazardous List; Substance Number: 2891		

SECTION 16: ADDITIONAL INFORMATION

MSDS Creation Date: August 15, 2009
MSDS Revision Date: July 01, 2013

Coated Abrasive Revision: 07/01/2013 UPC Number: 08834121115 CA_AI Page 5 of 5