



International, Inc.

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MATERIAL SAFETY DATA SHEET

SECTION 1: Name & Product

Manufacturer's Name: Dedeco International, Inc.

Address: Route 97

Long Eddy, New York 12760

Date Prepared: 1/1/94

Trade Name: Bonded Abrasives & Grinding Wheels

SECTION 2: Composition Per 29CFR 1910.1200

Ingredients Listed May Be Contained in the Product

Chemical Name	Common Name	CAS	OSHA-PEL	ACGIH-TLV	Carcinogen (Y/N)
Aluminum Oxide	N/A	1344-28-1	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>	N
Silicon Carbide	N/A	409-21-2	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>	N
Pumice	N/A	NAIF	NAIF	NAIF	N
Zinc Oxide	N/A	1314-13-2	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	N
Iron Oxide	N/A	1309-37-1	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>	N
Magnesium Oxide	N/A	1309-48-4	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>	N
Titanium Dioxide	Titania	13463-67-7	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>	N
Phenolic Resin	N/A	67700-42-9	10mg/m <sup>3</sup>	10mg/m <sup>3</sup>	N
Calcium Carbonate	Limestone	1317-65-3	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	N
Kaolin	Clay	1332-58-7	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	N
Sulfur	N/A	7704-34-9	NAIF	NAIF	N
Hydrated Alumina	N/A	21645-51-2	10mg/m <sup>3</sup>	10mg/m <sup>3</sup>	N
Calcium Metasilicate	N/A	13983-17-0	NAIF	NAIF	N

Synthetic elastomers which may be contained in the product are not defined by OSHA as hazardous materials.

SECTION 3: Physical & Chemical Data

Boiling Point: NAIF Melting Point: NAIF Specific Gravity: 2-4

Vapor Pressure: NAIF % Volatile by Vol.: NAIF Vapor Density: NAIF

Evaporation Rate: NAIF Solubility in Water: Slight

Solubility in Alcohol: NAIF Solubility in Other Solvent: NAIF

Appearance & Odor: Solid; may produce odor in use

#### SECTION 4: Special Precautions

Precautions to be Used in Handling & Storage: None.

Other Precuations: NAIF

#### SECTION 5: Corrosivity & Reactivity Data

Stability: Stable.

Polymerization: Will not occur.

Incompatability (materials to avoid): NAIF

Decomposition Products: Dust is generated in use. In most cases, the material removed from the workpiece will be significantly greater than the grinding wheel components.

Conditions to be Avoided: NAIF

#### SECTION 6: Health, First Aid & Medical Data

Primary Route(s) Of Entry	Acute & Chronic Health Effects & Effects of Overexposure	First Aid & Medical Information
Inhalation (during grinding)	Acute: Coughing, shortness of breath. Chronic: May affect breathing capacity.	Remove to fresh air. Artificial respiratio as needed. Obtain medical assistance.
Ingestion (during grinding)	No known adverse effects but ingestion not recommended.	Obtain medical assis- tance.
Skin (during grinding)	Some may experience skin irri- tation from dust.	Wash affected areas with soap & water. Obtain medical assis- tance.
Eye (during grinding)	Dusts may irritate eyes.	Wash with large a- mounts of water. Ob- tain first aid & med- ical assistance if needed.
Other Potential Health Risks (during grinding)	Grinding may create elevated sound levels which may affect hearing.	Obtain medical assis tance.

#### SECTION 7: Storage, Handling & Use Procedures

Normal Storage & Handling: See ANSI Standard B7.1.

Normal Use: Handle with adequate ventilation. See OSHA 29CFR1910.94  
(Ventilation) & 29CFR1910.1000 (Air Contaminates).

Steps to be Taken in Case of Leaks or Spills: Normal cleanup procedures.

Waste Disposal Method: Standard landfill methods consistent with applicable  
state & local laws.

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## SECTION 8: Personal Protection Information

Respiratory Protection (specify type) as needed. For approved dust respirators see OSHA 29CFR1910.134.

Ventilation: Local Recommended.  
Mechanical (general) Recommended.  
Other NAIF

Protective Gloves: As desired by user.

Eye Protection: Recommended. See OSHA 29CFR1910.133.

Other Equipment: As needed hearing protection. See OSHA 29CFR1010.215 (hearing protection).

Measures to be Taken During Repair & Maintenance of Contaminated Equipment that has been in Contact with This Material: See sections 7 and 8.

## SECTION 9: Fire &amp; Explosion Hazard Data

Flash Point: NAIF Method Used: N/A. Flammable Limits: N/A

Extinguishing Media: Use Water.

Special Fire Fighting Procedures: None

Explosion Potential: NAIF.

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Dedeco International, Inc. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.