

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

072557320

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

072541738 072541746 072541753 072541761 072541779 072541811 072541829 072541837 072541845 072541852  
072541910 072541928 072542553 072543155 072550507 072550556 072550606 072551406 072552362 072553527  
072553550 072553576 072553584 072553592 072553618 072553626 072553634 072553642 072553675 072553683  
072553709 072553717 072553725 072553733 072553741 072553758 072553766 072553774 072553782 072553808  
072553816 072553824 072553832 072553840 072553857 072553865 072553873 072553881 072553899 072553907  
072553915 072554152 072554178 072554186 072554277 072554327 072554368 072554376 072554392 072554434  
072554442 072554483 072554525 072554541 072554590 072554640 072554665 072554707 072554731 072554749  
072554756 072554764 072554772 072554798 072554806 072554814 072555019 072555027 072555035 072555092  
072555126 072555142 072555159 072555167 072555175 072555183 072555191 072555209 072555217 072555225  
072555233 072555241 072555258 072555266 072555274 072555282 072555290 072555316 072555324 072555332  
072555340 072555357 072555365 072555373 072555381 072555399 072555423 072555431 072555449 072555456  
072555464 072555522 072555530 072555548 072555555 072555563 072555571 072555589 072555597 072555605  
072555613 072555621 072555639 072555738 072555753 072555761 072555779 072555787 072555795 072555803  
072555852 072556132 072556140 072556157 072556165 072556173 072556181 072556199 072556207 072556371  
072556389 072556850 072556892 072557171 072557197 072557205 072557304 072557866 072557874 072557882  
072557981 072557999 072558005 072558013 072558054 072558062 072558070 072558088 072558815 072558823  
072558856 072558864 072558880 072559060 072559078 072559102 072559110 072559136 072559607

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

072557312 072557858

**Material Safety Data Sheet****I. Bonded Abrasives & Grinding Wheels****EMERGENCY TELEPHONE NUMBER:**

1-845-887-4840

Composition as per 29CFR 1910.1200

Ingredients Listed May Be Contained in the Product

Chemical Name	Common Name	CAS Number	OSHA PEL Permissible Exposure Limit	ACGIH TLV Threshold Limit Value	NTP/IARC/OSHA Carcinogen Status
Aluminum Oxide	Aluminum Oxide	1344-28-1	15 mg/M3	10 mg/M3	Not Listed
Silicon Carbide	Silicon Carbide	409-21-2	15 mg/M3	10 mg/M3	Not Listed
Zirconium Oxide	Zirconium Oxide	1314-13-2	5 mg/M3	5 mg/M3	Not Listed
Phenol/Formal- dehyde binder	Cured Phenolic Resin	67700-42-9	10 mg/M3	10 mg/M3	Not Listed
Pumice	Pumice	NAIF	NAIF	NAIF	Not Listed
Iron Oxide	Iron Oxide	1309-37-1	15 mg/M3	10 mg/M3	Not Listed
Calcium Carbonate	Limestone	1317-65-3	5 mg/M3	5 mg/M3	Not Listed
Kaolin	Clay	1332-58-7	5 mg/M3	5 mg/M3	Not Listed
Sulfur	Sulfur	7704-34-9	NAIF	NAIF	Not Listed
Hydrated Alumina	Hydrated Alumina	21645-51-2	10 mg/M3	10 mg/M3	Not Listed
Calcium Metasilicate	Calcium Metasilicate	13983-17-0	NAIF	NAIF	Not Listed
Magnesium Oxide	Magnesium Oxide	1309-48-4	15 mg/M3	10 mg/M3	Not Listed
Titanium Dioxide	Titania	13463-67-7	15 mg/M3	10 mg/M3	Listed

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

**II. Physical/Chemical Characteristics**

Boiling Point	NAIF	Specific Gravity (h2) =1)	2-4
Vapor Pressure (mm Hg.)	NAIF	Melting Point	NAIF
Vapor Density (AIR = 1)	NAIF	Evaporation Rate (Butyl Acetate = 1)	NAIF
Solubility in Water	SLIGHT	Solubility in Alcohol	NAIF
Solubility in Other Solvent	NAIF	Appearance and Odor Solid; may produce odor in use	
Percentage Volatile by Volume	NAIF		

**III. Fire and Explosion Hazard Data**

Flash Point (Method Used) NAIF	Flammable Limits N/A	LEL	DEL
Extinguishing Media Use Water			
Special Fire Fighting Procedures None			
Usual Fire and Explosion Hazards NAIF			

**IV. HEALTH, FIRST AID & MEDICAL DATA**

ROUTE OF ENTRY	ACUTE EFFECT	FIRST AID
Eyes	Dusts may irritate eyes.	Wash with large amounts of water. Obtain first aid and medical assistance if needed.
Inhalation (During Grinding)	Acute: Coughing and/or shortness of breath. Chronic: May affect breathing capacity.	Remove to fresh air. Artificial respiration as needed. Obtain medical assistance.
Ingestion (During Grinding)	No known adverse effect but ingestion should be avoided.	Obtain medical assistance.
Skin (During Grinding)	Dust may irritate some individuals.	Wash affected areas with soap and water. Obtain medical assistance.
Other Potential Health Risks	Grinding may create elevated sound levels which may affect hearing.	Obtain medical assistance.

**V. REACTIVITY DATA**

Stability: Stable.  
Polymerization: Will not occur.  
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.  
Incompatibility  
(Materials To Avoid): NAIF  
Conditions To Be  
Avoided: NAIF

**SPECIAL PRECAUTIONS**

Precautions To Be  
Used In Handling  
And Storage: None  
Other Precautions: NAIF

**VII. STORAGE, HANDLING & USE PROCEDURES**

Normal Storage  
& Handling: See ANSI Standard B7.1.  
Normal Use: Handle with adequate ventilation. See OSHA 29CFR1910.94 (Ventilation) and 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 and local laws.

**VIII. 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 VII and VIII.

The information and recommendations set forth herein are taken from sources believed to be accurate as of this date hereof; however, no warranty is made with respect to the accuracy of the information or the suitability of the recommendations, and no liability is assumed to any user thereof.

NAIF = No Applicable Information Found  
N/A = Not Applicable



## Dedeco International, Inc.

11617 State Route 97, Long Eddy, NY 12760-0244

Phone: (845) 887-4840 • Fax: (845) 887-5281

Web: [www.dedeco.com](http://www.dedeco.com) • Email: [service@dedeco.com](mailto:service@dedeco.com)

### Material Safety Data Sheet

#### Identity (As Used on Label and List)

## Organic Bonded Grinding Wheels, Fibre-Cut Discs & Model Trimmer Wheels

#### SECTION I

##### Manufacturer's Name

DEDECO INTERNATIONAL, INC.

##### Emergency Telephone Number

845-887-4840

##### Address

Route 97  
Long Eddy, New York 12760

##### Telephone Number for Information

845-887-4840

##### Date Prepared

April 7, 2008

#### SECTION II – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Recommended	% (optional)
Aluminum Oxide- CAS 1344-28-1	15 mg/m3	10 mg/m3	60.0 – 95.0	
Silicon Carbide CAS 409-21-2	15 mg/m3	10 mg/m3	55.0 – 95.0	
Zirconium Oxide CAS 1314-23-4	5 mg/m3 (Zr)	5 mg/m3 (Zr)	0.0 - 9.0	
Phenol / Formaldehyde binder* (Cured Phenolic Resin)	None Found	None Found	None Found	5.0 – 20.0
Fiberglass= (Reinforcing Fiber) CAS 65997-17-3	15 mg/m3	10 mg/m3	0.0 - 7.0	
Graphite CAS 7782-42-5	15 mppcf	2 mg/m3 (dust)	0.0 - 2.0	
Calcium Oxide (Lime) CAS 1305-78-8	5 mg/m3	2 mg/m3	0.0 - 3.0	
Fluorides+** (Fluoride Cmpds.) CAS Various	2.5 mg/m3 (F)	2.5 mg/m3 (F)	1.0 – 15.0	
Calcium Compounds ** CAS Various	10 mg/m3 (total dust)	10 mg/m3 (dust)	1.0 – 12.0	
Sulfates & Sulfides ** (Sulfur Cmpds.) CAS Various	10 mg/m3 (total dust)	10 mg/m3 (dust)	0.0 – 15.0	
Rubber (Liquid Rubber) CAS 78-79-5	None Found	None Found	0.0 - 2.0	

- Aluminum Oxide is at least 96% pure, usually containing other metallic oxides as impurities.

\* Free Phenol (108-95-2) (PEL & TLV:5ppm) and free Formaldehyde (50-00-0) (PEL:0.75 ppm, TLV:1ppm) may be present in trace amounts.

\*\* Substance is a compound and/or mixture.

+ Maximum Fluoride Content, as F is 9.05%. Fluoride may be released in trace amounts under normal use.

= Present only in fiberglass reinforced wheels.

#### SECTION III – PHYSICAL CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H2O = 1)	2.0 to 4.0
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporating Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Insoluble to slight		
Appearance and Odor	Light or medium grey, brown, black or maroon colored, porous solid. No detectable odor.		

## Material Safety Data Sheet

SECTION IV – FIRE AND EXPLOSION HAZARD DATA				
Flash Point (Method Used)	N/A	Flammable Limit	LEL: N/A	UEL: N/A
Extinguishing Media	Water, foam or CO2.			
Special Fire Fighting Procedures	Toxic fumes are evolved on burning.			
Explosion Potential:	Fumes from burning cured Phenol/formaldehyde resin contain trace formaldehyde which can cause eye, nose and throat irritation. The short term exposure limit for formaldehyde is 2ppm. Breathing apparatus should be worn to fight serious fires in confined spaces.			
SECTION V – REACTIVITY DATA				
Stability	Unstable	Stable	X	
Hazardous Decomposition or Byproducts	During use, dust and decomposing organic fumes are generated which may contain trace amounts of phenol, formaldehyde and fluorides. In most cases, the material removed from the workpiece will be significantly greater than the grinding wheel components. Coolants or other surface residues may produce other decomposition products.			
Hazardous Polymerization	May Occur	Will Not Occur	X	
Conditions to be Avoided	No applicable information found.			
SECTION VI – HEALTH HAZARD DATA				
Inhalation:	Dust may cause irritation to nose, throat or lungs resulting in coughing or shortness of breath.			
Chronic:	Continued excessive exposure to abrasive grains may affect breathing capacity. Signs of excessive exposure might include deposits of material in the eyes, ears, nasal passages and irritation of the mucous membranes.			
First Aid:	Classified as a nuisance dust. Remove to fresh air. Provide artificial respiration as needed and obtain medical assistance.			
Ingestion:	Non-toxic, but ingestion should be avoided.			
First Aid:	Obtain medical assistance. Contact poison control center.			
Skin:	Dust may irritate some individuals.			
First Aid:	Wash affected areas with soap and water. Obtain medical assistance if aggravated skin conditions persist.			
Eyes:	Dust may irritate eyes.			
First Aid:	Irritant. Treat as a foreign body in the eye. Flush eyes with large amounts of cleau water for at least 15 minutes. If irritation persists obtain medical assistance.			
SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE				
Steps To Be Taken In Case Material Is Released Or Spilled:	Collect and pick np materials following normal precautions for inert nuisance dusts.			
Waste Disposal Method:	Standard landfill methods consistent with applicable Federal, State and Local regulations.			
Storage:	Store in a cool, dry place and as per ANSI B7.1.			
Normal Usage:	Observe recommended running speeds. Provide adequate ventilation for nuisance dusts. Also see ANSI B7.1.			
SECTION VIII – CONTROL MEASURES				
Respiratory Protection (Specify Type):	Use approved respirator when airborne contaminant levels exceed TLVs and PELs as per OSHA 29 CFR 1910.134 or 139 (respirators) and OSHA 29 CFR 1910.1000 (air contaminants).			
Ventilation:	Good local exhaust ventilation is essential for dry grinding operations as per ANSI Z88.2, OSHA 29CFR 1910.94 (ventilation).			
Protective Gloves:	Use gloves as required. (Arm sleeves or barrier creams may be useful in the prevention of dermatitis.)			
Eye Protection:	Wear eye protection as per ANSI Z87.1 and OSHA 29 CFR 1910.133.			
Other Protection:	Exercise good personal hygiene. Hearing protection may be required as per OSHA 29 CFR 1910.95 (Hearing protection) during normal use.			



# Global Safety Management, Inc

---

To Whom It May Concern:

Organic Bonded Grinding Wheels, Fibre-Cut Discs &  
Model Trimmer Wheels.

This product is a kit with multiple components. Please  
see the individual component SDSs for information.

The GSM Reference numbers are:

GSM-180499

GSM-180500

GSM-180501

Sincerely,

The Global Safety Management Team

[www.globalmsdslibrary.com](http://www.globalmsdslibrary.com)

1-813-435-5161



# SAFETY DATA SHEET

---

## SECTION 1. IDENTIFICATION

---

### **Dedeco International, Inc.**

11617 State Route 97

Long Eddy, NY 12760

Telephone No.: 845-887-4840

**Product Name:** Rubberized Bonded Abrasives

Effective Date: 11/01/15

---

## SECTION 2. HAZARDOUS IDENTIFICATION

---

GHS Classification:

**Not possible to classify**

Label Elements:



Symbol:

Signal Word:

Hazard Statement:

Precautionary Statement

### **Prevention**

Do not handle until all safety precautions have been read and understood.

### **Response**

If you do not feel well seek medical attention.

### **Storage**

Store in a dry place. Take measures to avoid mechanical and chemical damage.

### **Disposal**

Dispose of contents and container in accordance with regulations.

---

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

---

### **Hazardous Components**

Aluminum Oxide Grit

Diamond Grit

Silicon Carbide Grit

Neoprene Rubber

Silicone Rubber

Polyurethane Rubber

Others

-



---

**SECTION 4**

---

**FIRST AID MEASURES**

---

**Eye Contact**

Wash immediately with copious amounts of water and seek medical attention.

**Skin Contact**

N/A

**Inhalation**

Remove from exposure.

**Ingestion**

N/A

---

**SECTION 5**

---

**FIRE FIGHTING MEASURES**

---

**This product is non-flammable.**

**Suitable Extinguishing Media**

N/A

**Special Fire Fighting Procedures**

N/A

**Unusual Fire/Explosion Hazards**

N/A

---

**SECTION 6**

---

**ACCIDENTAL RELEASE MEASURES**

---

**Spill and Leak Procedures**

Ventilate spill area. Clean up using methods which avoid dust generation such as vacuum (with appropriate filter to prevent airborne dust levels exceeding the PEL or TLV) or wet clean-up. If airborne dust is generated, use an appropriate NIOSH approved respirator.

---

**SECTION 7**

---

**HANDLING & STORAGE**

---

**Handling/Storage Precautions**

Maintain good housekeeping procedures to prevent dust accumulation during grinding. Avoid dust inhalation and direct skin contact with dust.

---

**SECTION 8**

---

**EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**Industrial Hygiene**

Wash hands thoroughly after handling, before eating or smoking. Wash exposed skin at the end of the work shift. Do not shake clothing, rags, or other items to remove dust. Dust should be removed by washing or vacuuming the clothing, rags or other items with appropriate filters.

**Ventilation Measures**

Use adequate local exhaust ventilation to limit personal exposure to airborne dust to levels below the PEL or TLV. If such equipment is not available use respirators as specified above.

**Respiratory Protection**

Use an appropriate NIOSH approved respirator if airborne dust concentrations exceed the applicable PEL or TLV. All requirements set forth in 29 CFR 1910.134 should be met.

**Hand Protection**

Protective gloves or barrier cream are recommended when contact with dust or mist is likely.

**Eye Protection**

Safety glasses with side-shields or goggles are recommended. Eyewash equipment should be available and accessible at the workplace.

**Additional Protective Measures**

Periodic medical examinations are recommended for individuals regularly exposed to dust or mist.

---

**SECTION 9****PHYSICAL & CHEMICAL PROPERTIES**

---

- **Color** – Rubber Bonded Abrasives are color-coded by grit size and type.
- **Appearance** - Rubber Bonded Abrasives are color-coded by grit size and type.
- **Odor** - Odorless
- **Solubility in Water** – Insoluble
- **Specific Gravity** – 2.0 - 4.0
- **Percentage Volatile by Volume** – 0
- **How Best Monitored** – Air Sample

**Not applicable:** Boiling Point, Vapor Pressure (mm Hg.), Vapor Density (Air=1), Evaporating Rate.

---

**SECTION 10****STABILITY & REACTIVITY**

---

**Hazardous Reactions** – Hazardous polymerization will not occur.

**Stability** – Stable.

**Materials to Avoid** – Strong acids, strong oxidizers.

**Conditions to Avoid** – Contact with incompatible materials.

**Hazardous Decomposition Products** – None.

---

**SECTION 11****TOXICOLOGICAL INFORMATION**

---

Not applicable.

---

<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION (non-mandatory)</b>
-------------------	---

---

Not applicable.

---

<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATIONS (non-mandatory)</b>
-------------------	--

---

**Waste Disposal Method**

Dispose of accordance with applicable government regulations.

---

<b>SECTION 14</b>	<b>TRANSPORTATION INFORMATION (non-mandatory)</b>
-------------------	---

---

Not applicable.

---

<b>SECTION 15</b>	<b>REGULATORY INFORMATION (non-mandatory)</b>
-------------------	---

---

Not applicable.

---

<b>SECTION 16</b>	<b>OTHER INFORMATION (non-mandatory)</b>
-------------------	--

---

Not applicable.