

## **SAFETY DATA SHEETS**

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

**072558856**

**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  
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 072557320 072557858



## 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/m <sup>3</sup>              | 10 mg/m <sup>3</sup>        | 60.0 – 95.0 |              |
| Silicon Carbide CAS 409-21-2                                      | 15 mg/m <sup>3</sup>              | 10 mg/m <sup>3</sup>        | 55.0 – 95.0 |              |
| Zirconium Oxide CAS 1314-23-4                                     | 5 mg/m <sup>3</sup> (Zr)          | 5 mg/m <sup>3</sup> (Zr)    | 0.0 - 9.0   |              |
| Phenol / Formaldehyde binder*<br>(Cured Phenolic Resin)           | None Found                        | None Found                  | None Found  | 5.0 – 20.0   |
| Fiberglass= (Reinforcing Fiber) CAS 65997-17-3                    | 15 mg/m <sup>3</sup>              | 10 mg/m <sup>3</sup>        | 0.0 - 7.0   |              |
| Graphite CAS 7782-42-5                                            | 15 mppcf                          | 2 mg/m <sup>3</sup> (dust)  | 0.0 - 2.0   |              |
| Calcium Oxide (Lime) CAS 1305-78-8                                | 5 mg/m <sup>3</sup>               | 2 mg/m <sup>3</sup>         | 0.0 - 3.0   |              |
| Fluorides+** (Fluoride Cmpds.) CAS Various                        | 2.5 mg/m <sup>3</sup> (F)         | 2.5 mg/m <sup>3</sup> (F)   | 1.0 – 15.0  |              |
| Calcium Compounds ** CAS Various                                  | 10 mg/m <sup>3</sup> (total dust) | 10 mg/m <sup>3</sup> (dust) | 1.0 – 12.0  |              |
| Sulfates & Sulfides ** (Sulfur Cmpds.) CAS Various                | 10 mg/m <sup>3</sup> (total dust) | 10 mg/m <sup>3</sup> (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 (H <sub>2</sub> O = 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 clean 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 up 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

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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