

# Wm. R. Hall Company

## Material Safety Data Sheet

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Wm. R. Hall Abrasive Heat Free Wheels White  
**Manufacturer:** Wm. R. Hall Company, Inc.  
**Division:** *Not applicable.*  
**Address:** 901 Gibbsboro Rd.  
 Lindenwold, NJ 08021

**Emergency Telephone:** (856) 784-6700  
**Information:** (856) 784-6700  
**Fax Telephone:** (856) 784-6701

**Issue Date:** 10/27/09  
**Supersedes Date:** 07/15/09

**Specific Use:** Abrasive Product

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 EMERGENCY OVERVIEW

**Odor, Color, Grade:** Abrasive Product Heat Free Wheel

**General Physical Form:** Solid

**Immediate health, physical, and environmental hazards:** This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

#### 2.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:** Dusts may irritate eyes.

**Skin Contact:** Some may experience skin irritation from dust.

**Ingestion:** No known adverse effects, but ingestion not recommended.

**Inhalation:** Acute: Coughing, shortness of breath. Chronic: May affect breathing capacity.

**Other:** Grinding may create elevated sound levels which may affect hearing.

**Medical Conditions Generally Aggravated by Exposure:** *Not Applicable*

**Carcinogenicity:**

**NTP?** *Not Applicable*

**IARC Monographs?** *Not Applicable*

**OSHA Regulated?** *Not Applicable*

### SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

<b>Ingredient</b>	<b>C.A.S. No.</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other Limits</b>	<b>% by Weight</b>
Aluminum Oxide	1344-28-1	15 MG/M <sup>3</sup>	10 MG/M <sup>3</sup>	None	< 85%
Iron Oxide	1309-37-1	15 MG/M <sup>3</sup>	10 MG/M <sup>3</sup>	None	< 5%
Titanium Oxide	13463-67-7	15 MG/M <sup>3</sup>	10 MG/M <sup>3</sup>	None	< 10%
Acrylonitrile	107-13-1	> 1 ppm		None	< .0001%

Butadiene	106-99-0	> 0.02 ppm	None	< .0001%
Cashew, nutshell liquid, polymer with formaldehyde and phenol	67700-42-9		None	< 1%

## SECTION 4: FIRST-AID MEASURES

### 4.1 FIRST AID PROCEDURES

- Eye Contact\*:** Wash with large amounts of water. Obtain first aid and medical assistance if needed.
  - Skin Contact\*:** Wash affected areas with soap and water.
  - Inhalation\*:** Remove person to fresh air. Apply artificial respiration as needed. Obtain medical assistance.
  - Ingestion\*:** Obtain medical assistance.
  - Other Potential Health Risks\*:** Obtain medical assistance.
- \* During grinding.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 FLAMMABLE PROPERTIES

Auto-ignition temperature	<i>Not Applicable</i>
Flash Point	<i>Not Applicable</i>
Flammable Limits – LEL	<i>Not Applicable</i>
Flammable Limits – UEL	<i>Not Applicable</i>

**5.2 EXTINGUISHING MEDIA** Use Water.

### 5.3 PROTECTION OF FIRE FIGHTERS

- Special Fire Fighting Procedures:** None
- Unusual Fire and Explosion Hazards:** *No Applicable Information Found*

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Accidental Release Measures:** Normal clean-up procedures.

## SECTION 7: HANDLING AND STORAGE

### 7.1 HANDLING

Normal use – handle with adequate ventilation. See OSHA 29 CFR 1910.94 (Ventilation) and OSHA 29 CFR 1910.1000 (Air Contaminants).

### 7.2 STORAGE

Normal dry storage.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

<b>Ventilation:</b>	Recommended
<b>Local Exhaust:</b>	Recommended
<b>Mechanical (General):</b>	Recommended
<b>Other:</b>	<i>No Applicable Information Found</i>

## 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

### 8.2.1 Eye/Face Protection

Recommended. See OSHA 29 CFR 1910.133 - Face and Eye Protection.

### 8.2.2 Skin Protection

**Protective Gloves:** As desired by user.

### 8.2.3 Respiratory Protection

As needed. For approved dust respirators, see OSHA 29 CFR 1910.134 - Respiratory Protection.

### 8.2.4 Prevention of Swallowing

### 8.2.5 Other Protective Clothing or Equipment

As needed, hearing protection. See OSHA 29 CFR 1910.215 - Hearing Protection.

## 8.3 EXPOSURE GUIDELINES

None Determined

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Odor, Color, Grade:</b>	Coated Abrasive Product; may produce odor in use.
<b>General Physical Form:</b>	Solid
<b>Auto-ignition temperature:</b>	<i>Not Applicable</i>
<b>Flash Point (Method Used):</b>	<i>Not Applicable</i>
<b>Flammable Limits – LEL</b>	<i>Not Applicable</i>
<b>Flammable Limits – UEL</b>	<i>Not Applicable</i>
<b>Boiling Point:</b>	<i>No Applicable Information Found</i>
<b>Vapor Density:</b>	<i>No Applicable Information Found</i>
<b>% Volatile by Volume:</b>	<i>No Applicable Information Found</i>
<b>Vapor Pressure:</b>	<i>No Applicable Information Found</i>
<b>Specific Gravity:</b>	2 - 4
<b>pH:</b>	<i>Not Applicable</i>
<b>Melting point:</b>	<i>No Applicable Information Found</i>
<b>Solubility in Water:</b>	Slight
<b>Solubility in Alcohol:</b>	<i>No Applicable Information Found</i>
<b>Solubility in Other Solvent:</b>	<i>No Applicable Information Found</i>

## SECTION 10: STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Incompatibility (Materials to Avoid):</b>	<i>No Applicable Information Found</i>
<b>Conditions to be Avoided:</b>	<i>No Applicable Information Found</i>
<b>Polymerization:</b>	Will not occur.
<b>Hazardous Decomposition or By-Products:</b>	Dust is generated in use. In most cases, the material removed from the work piece will be significantly greater than the grinding wheel components.

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

None Determined

**SECTION 12: ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION**

Not Determined

**CHEMICAL FATE INFORMATION**

Not Determined

**SECTION 13: DISPOSAL CONSIDERATIONS****Waste Disposal Method:** Standard landfill methods consistent with applicable Federal, State and Local laws.**SECTION 14: TRANSPORT INFORMATION****U.S. Department of Transportation:** Not regulated.**SECTION 15: REGULATORY INFORMATION****SARA Title III:****Section 311/312 Hazard Categories:**

- Fire Hazard – No
- Pressure Hazard – No
- Reactivity Hazard – No
- Immediate Hazard – Yes
- Delayed Hazard – No

**Section 313 Reportable Ingredients:** None**SECTION 16: OTHER INFORMATION**

Prepared by: Wm. R. Hall Company

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Abbreviations: IARC: International Agency for Research on Cancer  
NTP: National Toxicology Program  
OSHA: Occupational Health and Safety Administration (U.S.)  
SARA Title III: Superfund Amendments and Reauthorization Act