

# HUDSON

## MATERIAL SAFETY DATA SHEET

DATE PREPARED: 12/03/2002

MSDS No: RESIN

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** Resin bonded wheels**MANUFACTURER**

Hudson Supply Company  
 4500 Lee Rd  
 Cleveland, OH 44128-2959  
**Customer Service:** (800) 486-0480

**24 HR. EMERGENCY TELEPHONE NUMBERS**

**CHEMTREC (U.S.):** (800) 424-9300  
**Emergency Phone:** (800) 424-9300

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
Glass, Fibrous or Dust	10	65997-17-3
Silicon Carbide	90	409-21-2
Calcium oxide	3	1305-78-8
Zirconium Oxide	90	1314-23-4
Aluminum Oxide	90	1344-28-1
Flourides	10	

**COMPONENTS :****EXPOSURE LIMITS**

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
Glass, Fibrous or Dust	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	
Silicon Carbide	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> total dust	
Zirconium Oxide	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	
Aluminum Oxide	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	
Flourides	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>	

### 3. HAZARDS IDENTIFICATION

**POTENTIAL HEALTH EFFECTS****EYES:** May cause significant irritation to the eyes.**SKIN:** May cause significant irritation to the skin.**INGESTION:** Not likely to be hazardous.**INHALATION:** May cause significant irritation to the lungs, upper respiratory tract and nose.

#### **SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Redness and possible itching and/or tearing of the eyes.

**SKIN:** Redness and/or itching of the skin

**INGESTION:** No known adverse effects

**INHALATION:** Possible coughing, burning, tightness of chest and/or shortness of breath.

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#### **4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. Get medical attention.

**SKIN:** Wash thoroughly with soap and water.

**INGESTION:** No harmful effects expected.

**INHALATION:** Remove individual to fresh air.

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#### **5. FIRE FIGHTING MEASURES**

**FLAMMABLE LIMITS:** N/A to N/A

**EXTINGUISHING MEDIA:** None- product is non-flammable.

**EXPLOSION HAZARDS:** Not Applicable

**FIRE FIGHTING PROCEDURES:** Not Applicable

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#### **6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Sweep or vacuum spills into appropriate containers for disposal. Follow standard landfill methods consistent with applicable Federal, State and Local laws.

**LARGE SPILL:** Sweep or vacuum spills into appropriate containers for disposal. Follow standard landfill methods consistent with applicable Federal, State and Local laws.

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#### **7. HANDLING AND STORAGE**

**HANDLING:** Handle and store wheels in a careful manner. Visually inspect all wheels before mounting. Check machine speed against established maximum safe operating speed marked on the wheel. Check mounting flanges for equal and correct diameter. Use mounting blotters on wheels for dry cutting. Be sure work rest is properly adjusted. Use a safety guard covering at least half of the grinding wheel. Allow newly mounted wheels to run at operating speed, with guard in place for at least one minute before grinding. Turn off coolant before stopping wheel to avoid creating an out-of-balance wheel.

**STORAGE:** No special storage methods are required.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** If dust is generated, provide local exhaust ventilation to control airborne levels below the ACGIH TLV-TWA exposure limit for Particulates Not Otherwise Classified of 10 mg/m<sup>3</sup> for inhalable particles and 3 mg/m<sup>3</sup> for respirable.

### PERSONAL PROTECTION

**EYES AND FACE:** Wear safety glasses while sanding or grinding. OSHA 29 CFR 1910.133.

**SKIN:** Wear gloves to prevent abrasion and/or skin irritation.

**RESPIRATORY:** Use NIOSH/MSHA approved air supplied respirator in absence of proper environmental control.

**OTHER USE PRECAUTIONS:** May create elevated sound levels. See OSHA 29 CFR 1910.134. Hearing protection should be worn where required.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid

**ODOR:** Phenolic when used.

**APPEARANCE:** Brown to Black

**VAPOR PRESSURE:** Not Applicable

**VAPOR DENSITY:** Not Applicable

**BOILING POINT:** Not Applicable

**FREEZING POINT:** Not Applicable

**MELTING POINT:** Not Applicable

**SOLUBILITY IN WATER:** Insoluble

**SPECIFIC GRAVITY:** 2 to 3 (water=1)

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Not Applicable

**POLYMERIZATION:** Not Applicable

**HAZARDOUS DECOMPOSITION:** No known hazardous decomposition.

**INCOMPATIBLE MATERIALS:** Not Applicable

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## 11. TOXICOLOGICAL INFORMATION

**COMMENTS:** Not Applicable

12. ECOLOGICAL INFORMATION

**COMMENTS:** Not Applicable

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13. DISPOSAL CONSIDERATIONS

**COMMENTS:** Not Applicable

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14. TRANSPORT INFORMATION

**COMMENTS:** Not regulated as a hazardous material.

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15. REGULATORY INFORMATION

**GENERAL COMMENTS:** Not Applicable

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16. OTHER INFORMATION

**APPROVED BY:** David C. Dillon      **TITLE:** Systems Administrator

**APPROVAL DATE:** 12/03/2002

**REVISION SUMMARY** New MSDS

**NFPA CODES**

**FIRE:** 0    **HEALTH:** 1    **REACTIVITY:** 0

**HMIS CODES**

**FLAMMABILITY:** 0    **HEALTH:** 1    **PHYSICAL HAZARD:** 0    **PERSONAL PROTECTION:** e

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