

# Cratex Manufacturing Company, Inc.

## Material Safety Data Sheet

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Abrasive Product Heat Free Wheels Gray  
**Manufacturer:** Cratex Manufacturing, Co., Inc.  
**Division:** *Not applicable.*  
**Address:** 328 Encinitas Blvd. Suite 200  
 Encinitas, CA 92024  
**Phone:** (800) 800-4077  
**Fax:** (800) 788-0463  
**Issue Date:** 5/4/2023  
**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>
Silicon Carbide	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** *Not Applicable*

**Flash Point** *Not Applicable*

**Flammable Limits – LEL** *Not Applicable*

**Flammable Limits – UEL** *Not Applicable*

**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

**Ventilation:** Recommended

**Local Exhaust:** Recommended

**Mechanical (General):** Recommended

**Other:** *No Applicable Information Found*

#### 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: Cratex Manufacturing Co., Inc.

**DISCLAIMER:** The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. This MSDS is based on information that is believed to be reliable, but may be subject to change as new information becomes available. WM. R. HALL COMPANY MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Each user is responsible for determining whether the Wm. R. Hall product is fit for a particular purpose and suitable for the user's method of use or application.

**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