

## Material Safety Data Sheet

### SECTION I: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Magnum/Magnum Plus  
MANUFACTURER: M&R Tire Products Inc.  
ADDRESS: P.O. Box 948  
Simcoe, Ontario  
N3Y 5B3

EMERGENCY PHONE: 1-800-569-0337 OR (519) 428-4252

Issue Date: January 01, 2013  
Supersedes Date: December 01, 2011

Product Use:

Intended Use: Tire Balancing

### SECTION II: CHEMICAL IDENTITY

Contains a mixture of inorganic naturally occurring minerals.

NAME	C.A.S. No.	% Wt
Soda-lime glass oxide	65997-17-3	98
Amorphous Silicon Dioxide	7631-86-9	1-2
Chromium (III) Pigment	1308-38-9	<0.75
Inorganic Pigments	None	<.04
Cobalt Pigments	None	<.04
Amorphous Silica	7631-/9-9	<.1
Basic Red 1:1	None	<.01
Basic Green 1	None	<.01
Basic Yellow 2	None	<.01
Basic Blue 26	None	<.01

### SECTION III: HAZARDS IDENTIFICATION

#### Emergency Overview:

#### Warning Statements:

CAUTION! MAY CAUSE IRRITATION.

- ... Eye contact may cause minor physical irritation
- ... Inhalation of dust may cause upper respiratory irritation with coughing and sneezing.
- ... Read and understand all Health and Safety information on the Material Data Safety Sheet before use.

**NPCA-HMIS Hazard Index:**

- o Health: 1
  - o Flammability: 0
  - o Reactivity: 0
  - o Personal Protection: E
- (See Section 8)

**Potential Health Effects****Routes of exposure:****Inhalation:**

Dust that may be released in handling may cause symptoms typical of nuisance dusts including coughing, sneezing and minor upper respiratory irritation.

**Skin and Eye:**

Direct eye contact may cause minor physical or mechanical irritation. Skin contact not expected to cause any harmful effects.

**Ingestion:**

Not considered harmful by ingestion.

**Carcinogenicity According to NTP, IARC and OSHA:**

Not Applicable. Ingredients in these products are considered to be of a size (non-respirable) and concentration which do not pose a significant threat to human health when the product is used as intended.

**SECTION IV: FIRST AID MEASURES****4.1 FIRST AID PROCEDURES**

The following first aid recommendations are based on an assumption that the appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

**Skin Contact:** Wash affected area with soap and water. If signs/symptoms develop get medical attention.

**Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention.

**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Give the victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention. No need for first aid is anticipated.

**SECTION V: FIRE FIGHTING MEASURE****5.1 FLAMMABLE PROPERTIES**

<b>Autoignition temperature</b>	<i>Not Applicable</i>
<b>Flash Point</b>	<i>Not Applicable</i>
<b>Flammable Limits - LEL</b>	<i>Not Applicable</i>
<b>Flammable Limits - UEL</b>	<i>Not Applicable</i>

**5.2 EXTINGUISHING MATERIAL**

Non-combustible. Choose material suitable for surrounding fire.

### 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

**Unusual Fire and Explosion Hazards:** Not Applicable

## SECTION VI: ACCIDENTAL RELEASE MEASURES

**Accidental Release Measure:** Observe precautions from other sections. Collect as much of the spilled material as possible. Clean up residue. Place in a closed container approved for transportation by appropriate authorities.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state and federal regulations.**

## SECTION VII: HANDLING AND STORAGE

### 7.1 HANDLING

For industrial or professional use only. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

### 7.2 STORAGE

Not applicable.

## SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Use with appropriate local exhaust ventilation. Provide local exhaust ventilation at transfer points.

## SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION, continued

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face Protection

Avoid eye contact.

The following eye protection(s) are recommended: Safety Glasses with side shields.

#### 8.2.2 Skin Protection

Avoid skin contact.

#### 8.2.3 Respiratory Protection

Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half mask R95 particulate respirator, Half mask or full face piece air-purifying respirator with N100 particulate filters, Half face piece or full face air-purifying respirator with P100 particulate filters, Half face piece or full face air-purifying respirator with P95 particulate filters, Half face piece or full face air-purifying respirator with N95 particulate filters.

**8.2.4 Prevention of Swallowing**

Not applicable.

**8.3 EXPOSURE GUIDELINES**

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
CHROMIUM (III) COMPOUNDS	ACGIH	TWA - specific form	0.5 mg/m <sup>3</sup>	as Cr; Table A4
CHROMIUM (III) COMPOUNDS	OSHA	TWA- specific form	0.5 mg/m <sup>3</sup>	as Cr; Table Z-1
COBALT COMPOUNDS	ACGIH	TWA- specific form	0.02 mg/m <sup>3</sup>	as Co; Table A3
Inorganic Pigments	ACGIH	TWA	10 mg/m <sup>3</sup>	Table A4
Inorganic Pigments	CMRG	TWA- Specific form	5 mg/m <sup>3</sup>	As respirable dust
Inorganic Pigments	OSHA	TWA- Vacated- as dust	10 mg/m <sup>3</sup>	
Inorganic Pigments	OSHA	TWA- as total dust	15 mg/m <sup>3</sup>	Table Z-1
ZINC CHROMATES	ACGIH	TWA	0.01 mg/m <sup>3</sup>	as Cr; Table A1
ZINC CHROMATES	OSHA	CEIL- Specific form	0.1 mg/m <sup>3</sup>	As CrO <sub>3</sub> ; Table Z-2
Respirable Dust	OSHA	TWA	5 mg/m <sup>3</sup>	
Total dust	OSHA	TWA	15 mg/m <sup>3</sup>	

VAC Vacated PEL: Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory agency.

**SOURCE OF EXPOSURE LIMIT DATA:**

ACGIH:	American Conference of Government Industrial Hygienists
CMRG:	Chemical Manufacturer Recommended Guideline
OSHA	Occupational Safety and Health Administration
AIHA	American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

**SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Specific Physical Form:</b>	Granules
<b>Odor, Color, Grade:</b>	Odorless, Various colors, Typical particle size 12-70 mesh (0.21-1.7 mm)
<b>General Physical Form</b>	Solid
<b>Autoignition temperature</b>	<i>Not Applicable</i>
<b>Flash Point</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>Not Applicable</i>
<b>Density</b>	<i>No Data Available</i>
<b>Vapor Density</b>	<i>Not Applicable</i>
<b>Vapor Pressure</b>	<i>Not Applicable</i>
<b>Specific Gravity</b>	2.6 – 2.7
<b>pH</b>	(Details: Slightly Basic)
<b>Melting Point</b>	<i>Not Applicable</i>
<b>Solubility in Water</b>	<i>Not Applicable</i>

**SECTION X: STABILITY AND REACTIVITY**

**Stability:** Stable.

**Material and conditions to avoid:** None known  
Additional information: N/A

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Hazardous Decomposition:** Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating or reaction with another material.  
N/A

**SECTION XI: TOXICOLOGICAL INFORMATION**

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Class Description</u>	<u>Regulation</u>
COBALT COMPOUNDS	NONE	Group 2B	International Agency for Research on Cancer

**SECTION XII: ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION**

Not determined.

**CHEMICAL FATE INFORMATION**

Not determined.

**SECTION XIII: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Reclaim if feasible. Dispose of waste product in a sanitary landfill. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

**EPA Hazardous Waste Number (RCRA):** Not regulated.

**Since regulations vary, consult applicable regulations or authorities before disposal.**

**SECTION XIV: TRANSPORTATION INFORMATION****ID number(s):**

98-0111-1270-7, 98-0111-1271-5, 98-0111-1272-3, 98-0111-1273-1, 98-0111-1274-9, 98-0111-1275-6, 98-0111-1276-4, 98-0111-1279-8, 98-0111-1286-3, 98-0111-1287-1, 98-0111-1291-3, 98-0111-1295-4, 98-0111.1296-2, 98-0111-1297-0, 98-0111-1298-8, 98-0111-1299-6, 98-0111-1500-7, 98-0111-1554-4, 98-0111-1555-1, 98-0111-1556-9, 98-0111-1557-7, 98-0111-1592-4, 98-0111-1593-2, 98-0111-1827-4, 98-0111-1873-8

**SECTION XV: REGULATORY INFORMATION**

**Not meant to be all inclusive, consult local regulations.**

**US FEDERAL REGULATIONS****311/312 Hazard Categories:**

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

**Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):**

<u>Ingredient</u>	<u>C.A.S No.</u>	<u>% by Wt</u>
Chromium (III) Pigment (CHROMIUM (III) COMPOUNDS)	1308-38-9	<1.5
Cobalt Pigments (COBALT COMPOUNDS)	1345-16-0	<0.9

**CHEMICAL INVENTORIES**

The components of this product are listed on the Canadian Domestic Substance List.

The components of this product are in compliance with the chemical notification requirements of TSCA.