

## **Plasteel wheel balance weights**

### **Section 1. Identification**

**Common name:** Plasteel wheel balance weights

**Product Code:** N/A

**Synonym:** Wheel weight, balancing weight, lead-free weight, steel wheel weigh

**Material uses:** Automotive wheel balancing part

**Supplier / Manufacturer:**

**Plombco Inc.**

66 Rue Edmond

Salaberry-de-Valleyfield

Québec, Canada, J6S 3E8

Phone: 450-371-8800

**In case of emergency:**

**450-371-8800**

### **Section 2. Hazards identifications**

**Classification:** None

**Signal word:** None

**Hazard statements:** None

**Precautionary statements:** None

### **Section 3. Composition and information on ingredients**

<b><u>Name</u></b>	<b><u>CAS</u></b>	<b><u>Concentration %</u></b>
Iron	7439-89-6	49 – 91
Polypropylene	9003-07-0	8 – 50
Manganese	7439-96-5	0.25 – 0.60
Silicon	7440-21-3	0.15 – 0.30
Copper	7440-50-8	0.20
Chromium	7440-47-3	0.15
Carbon	7440-44-0	0.10

## **Section 4. First aid measures**

### **Description of first aid if required:**

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

### **Eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes.

### **Skin contact:**

Wash exposed and/or contaminated area thoroughly after handling.

### **Inhalation:**

Bring the conscious victim to fresh air.

### **Ingestion:**

If victim is conscious, rinse mouth with water, drink a glass of water and induce vomiting. If unconscious, perform CPR with a pocket mask.

### **Indication of immediate medical attention and special treatment needed, if necessary:**

Do not give anything by mouth to an unconscious victim.

### **Most important acute symptoms and effects:**

In case of dust formation (very unlikely), there is a risk of irritation to the eyes, skin or respiratory tract. If swallowed large amounts of dust or powder, may cause abdominal cramps, black stools, vomiting, diarrhea or convulsions.

## **Section 5. Fire fighting measures**

### **Flammability of the product:**

In current form, non-combustible.

### **Flash point:**

N/A

### **Auto-ignition temperature:**

N/A

### **Products of combustion:**

Various metal oxides

### **Special protective actions for fire-fighters:**

Wear self-contained breathing apparatus and appropriate protective clothing.

### **Suitable extinguishing media:**

Use means of extinction the most suited to the surrounding materials.

### **Specific hazard arising from the chemical:**

Product itself poses no fire risk, however if melted, molten metal will react violently when mixed with water. In case of dust, heavy concentrations in air may become explosive if exposed to an ignition source.

## **Section 6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures:**

**For non emergency personnel:** Evacuate the area.

**For emergency personnel:** Splash goggles, full suit, chemical resistant gloves. A self-contained breathing apparatus is recommended to avoid inhalation of the product. Suggested protective clothing might not be sufficient. Consult a specialist before handling this product.

### **Environmental precautions:**

Do not let product enter drains

### **Methods and material for containment and cleaning up:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

## **Section 7. Handling and storage**

### **Precautions in Handling:**

Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

### **Precautions in Storage:**

Keep container tightly closed in a cool, dry and well-ventilated place.

## **Section 8. Exposure Controls, Personal Protections**

### **Control parameters:**

<b>Component</b>	<b>CAS</b>	<b>Value</b>	<b>Control parameters</b>	<b>Basis</b>
Polypropylene	9003-07-0	TWA	10 mg/m <sup>3</sup>	CNESST (Quebec, Canada)
Manganese	7439-96-5	TWA	0.2 mg/m <sup>3</sup>	CNESST (Quebec, Canada)
		TWA	0.2 mg/m <sup>3</sup>	ACGIH (USA)
		TWA	1.0 mg/m <sup>3</sup>	NIOSH (USA)
		MAK	0.02 mg(Mn)/m <sup>3</sup> (respirable) 0.2 mg(Mn)/m <sup>3</sup> (inhalation)	OEL-GERMANY
Silicon	7440-21-3	TWA	10 mg/m <sup>3</sup>	ACGIH (USA)
		TWA	15 mg/m <sup>3</sup>	OSHA (USA)
		TWA	5 mg/m <sup>3</sup> (inhalable fraction)	OSHA (USA)
Copper	7440-50-8	TWA	1 mg/m <sup>3</sup>	ACGIH (USA)
		MAK	0.1 mg/m <sup>3</sup> , (inhalation)	OEL-GERMANY
Chromium	7440-47-3	TWA	0.5 mg/m <sup>3</sup>	ACGIH (USA)
		TWA	1 mg/m <sup>3</sup>	OSHA (USA)
Carbon	7440-44-0	TWA	5 mg/m <sup>3</sup>	CNESST (Quebec, Canada)

### **Engineering controls:**

Use mechanical exhaust or laboratory fumehood to avoid exposure.

### **Personal protective equipment:**

**Eyes:** Wear safety glasses.

**Skin/body:** Wear a lab coat or any other appropriate protective clothing.

**Respiratory:** If ventilation is insufficient, choose appropriate respiratory protection according to levels and duration of exposure.

**Hands:** Wear chemical resistant protective gloves.

## **Section 9. Physical and chemical properties**

**Physical state:** Solid

**Color:** Greyish

**Odour:** Odorless

**Melting point/Freezing point:** Data not available

**Boiling point:** Data not available

**Flash point:** Data not available

**Auto-ignition temperature:** Data not available

**pH:** Data not available

**Solubility:** Insoluble

**Density:** Data not available

## **Section 10. Stability and reactivity**

**Chemical stability:** Stable in current form, however high concentrations of dust, vapours or fumes are reactive.

**Reactivity conditions:** High temperatures, exposure to strong acids, oxidizers and other incompatible materials.

**Incompatible materials:** Strong acids

**Hazardous decomposition products:** At high temperatures, metal oxide fumes.

## **Section 11. Toxicological information**

### **Acute toxicity:**

Iron	7439-89-6	DL <sub>50</sub> Oral: Rat = 7500 mg/Kg
Polypropylene	9003-07-0	DL <sub>50</sub> Oral: Rat > 8000 mg/Kg DL <sub>50</sub> Oral: Mouse = 5000 mg/Kg
Manganese	7439-96-5	DL <sub>50</sub> Oral: Rat = 9000 mg/Kg
Silicon	7440-21-3	DL <sub>50</sub> Oral: Rat = 3160 mg/Kg
Copper	7440-50-8	DL <sub>50</sub> Oral: Mouse = 413 mg/Kg CL <sub>50</sub> Inhalation: Rat - = 5.11 mg/l 4h

### **Skin corrosion/irritation:**

Not applicable

### **Serious eye damage/irritation:**

Not applicable

### **Respiratory or skin sensitisation:**

Not applicable

### **Gem cell mutagenicity:**

Not applicable

### **Carcinogenicity:**

Not applicable

### **Reproductive toxicity:**

Not applicable

**STOT- Single exposure:**

Not applicable

**STOT- repeated exposure:**

Manganese: Causes damage to organs through prolonged or repeated exposure cause the hazard

**Aspiration hazard:**

Not applicable

**Information on likely route of exposure:**

Inhalation, ingestion

**Section 12. Ecological information****Ecological data for aquatic environments:**

Iron	7439-89-6	CL <sub>50</sub> - Morone saxatilis 13.6 mg/l - 96h
Copper	7440-50-8	CL <sub>50</sub> - Oncorhynchus mykiss (truite arc-en-ciel) 0.15 mg/l - 96h CE <sub>50</sub> - Daphnia magna 0.04 mg/l - 48h
Chromium	7440-47-3	CL <sub>50</sub> - Cyprinus carpio (carp) 14.3 mg/l - 96h CE <sub>50</sub> - Daphnia magna 0.07 mg/l - 48h

**Persistence and degradability:**

Iron: Insoluble in water

**Bioaccumulative potential:**

Data not available

**Mobility in soil:**

Data not available

**Other adverse effects:**

Iron: Unlikely due to insolubility in water.

Manganese: Acute and chronic aquatic toxicity.

Copper: Very toxic to aquatic life.

Chromium: Very toxic to aquatic life

**Section 13. Disposal considerations****Waste disposal:**

Dispose of the chemical waste is in conformity with the federal, provincial and local laws. Store the residues of the product in safe containers. Place the containers in storage area of dangerous chemical waste.

**Section 14. Transportation information**

No TDG/DOT/IMDG/IATA Classification

## Section 15. Regulatory information

### NFPA Classification:



Health: 1  
Flammable: 0  
Reactivity: 0  
Specials conditions: 0

Legend: 4: Severe, 3: High, 2: Moderate, 1: Slightly, 0: Not hazardous

### WHMIS 1988:



Not controlled

### Classification - REACH (Europe)

REACH - Registration, Evaluation, Autorisation and Restriction of Chemical substances

REACH data :

EC	CAS	Substance	Full	OSII	TII
231-096-4	7439-89-6	Iron	Yes	-	-
231-105-1	7439-89-6	Manganese	Yes	Yes	Yes
231-130-8	7440-21-3	Silicon	Yes	-	-
231-159-6	7440-50-8	Copper	Yes	Yes	Yes
231-157-5	7440-47-3	Chromium	Yes	-	-

## Section 16. Additional information

### Date of issue:

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3.00

### Elaborated by:

Toxyscan inc.

### Notice to reader:

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### Références:

- *Répertoire toxicologique of la Commission des normes, de l'équité, de la santé et de la sécurité du travail.*
- *Registry of Toxic effects of Chemical Substances of the Canadian Centre for Occupational Health and Safety.*
- *Material safety data sheet from the manufacturer.*
- *Hazardous Products Regulations (DORS/2015-17).*
- *Canadian Transport of Dangerous Goods.*
- *The Globally Harmonized System of Classification and Labelling of Chemicals (GHS) <http://www.hc-sc.gc.ca/a>*