Safety Data Sheet

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

Name	CAS	Concentration %
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:

Component	CAS	Value	Control parameters	Basis
Polypropylene	9003-07-0	TWA	10 mg/m^3	CNESST (Quebec, Canada)
Manganese	7439-96-5	TWA	0.2 mg/m^3	CNESST (Quebec, Canada)
		TWA	0.2 mg/m^3	ACGIH (USA)
		TWA	1.0 mg/m^3	NIOSH (USA)
		MAK	0.02 mg(Mn)/m^3 (respirable) 0.2 mg(Mn)/m^3 (inhalation)	OEL-GERMANY
Silicon	7440-21-3	TWA	10 mg/m^3	ACGIH (USA)
		TWA	15 mg/m^3	OSHA (USA)
		TWA	5 mg/m^3 (inhalable fraction)	OSHA (USA)
Copper	7440-50-8	TWA	1 mg/m^3	ACGIH (USA)
		MAK	0.1 mg/m^3, (inhalation)	OEL-GERMANY
Chromium	7440-47-3	TWA	0.5 mg/m^3	ACGIH (USA)
		TWA	1 mg/m^3	OSHA (USA)
Carbon	7440-44-0	TWA	5 mg/m^3	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_{50} Oral: Rat = 7500 mg/Kg
Polypropylene	9003-07-0	DL_{50} Oral: Rat > 8000 mg/Kg DL_{50} Oral: Mouse = 5000 mg/Kg
Manganese	7439-96-5	DL_{50} Oral: Rat = 9000 mg/Kg
Silicon	7440-21-3	DL_{50} Oral: Rat = 3160 mg/Kg
Copper	7440-50-8	DL_{50} Oral: Mouse = 413 mg/Kg CL_{50} 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_{50} - Morone saxatilis 13.6 mg/l - 96h
Copper	7440-50-8	CL_{50} - Oncorhynchus mykiss (truite arc-en-ciel) 0.15 mg/l - 96h CE_{50} - Daphnia magna 0.04 mg/l - 48h
Chromium	7440-47-3	CL_{50} - Cyprinus carpio (carp) 14.3 mg/l - 96h CE_{50} - Daphnia magna 0.07 mg/l - 48h

Persistence and degradability:
Iron: Insoluble in wate

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

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Elaborated by:
Toxyscan inc.

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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*