

Lead wheel balance weight

Section 1. Identification

Common name: Lead wheel balance weight

Product Code: N/A

Synonym: Wheel weight, balance, lead

Material uses: Wheel balancing automotive 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:



Carcinogenicity, Category 1A

Acute toxicity (inhalation) (Category 4)

Acute toxicity (oral) (Category 4)

Reproductive toxicity, Category 1A

Specific target organ toxicity - Repeated exposure, Category 1

Signal word: Danger

Hazard statements:

H302: Harmful if swallowed.

H332: Harmful if inhaled.

H350: May cause cancer.

H360: May damage fertility or the unborn child.

H372: Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P264: Wash exposed and/or contaminated area thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or a doctor.

P304+P340: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P308+P313: If exposed: Call a POISON CENTER or doctor/physician.

P312: Call a POISON CENTER or doctor if you feel unwell.

P314: Get medical advice/attention if you feel unwell.

P321: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

P330: Rinse mouth.

P405: Store locked up.

P501: Dispose of contents / container by a local waste disposal company according to regional regulations.

Section 3. Composition and information on ingredients

<u>Name</u>	<u>CAS</u>	<u>Concentration %</u>
Lead	7439-92-1	75 – 95
Iron	7439-89-6	2 – 20
Antimony	7440-36-0	3.4 – 4.2
Arsenic	7440-38-2	0.35

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. See a doctor.

Most important acute symptoms and effects:

Irritation may occur to eyes, skin or respiratory tracts. In case of ingestion of large quantities of dust or powder, may cause abdominal cramps, black stools, vomiting, diarrhea, or convulsion.

Most important delayed symptoms and effects:

Unlikely in current form, however, product contains lead classified as IARC Group 2B – Possibly carcinogenic to humans. Unlikely in current form, however, product contains lead which has shown some teratogenic effects in certain species.

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
Lead	7439-92-1	TWA	0.05 mg/m ³	CNESST
Antimony	7440-36-0	TWA	0.5 mg/m ³	CNESST
Arsenic	7440-38-2	TWA	0.1 mg/m ³	CNESST

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: Grey, white

Odour: Odorless

Melting point/Freezing point: 328°C / 622.4°F

Boiling point: 1740°C / 3164°F

Flash point: Data not available

Auto-ignition temperature: Data not available

pH: Data not available

Solubility: Insoluble

Vapour pressure: 0.133 kPa at 973°C

Density: Data not available

Molecular weight: 207.2 g/mol

Section 10. Stability and reactivity

Chemical reactivity: 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, hydrogen peroxide, ammonium nitrate, sodium acetylide and oxidizing agents. In contact with sodium azide will create lead azide, a known detonator. Molten metal is explosive upon contact with water or active metals.

Hazardous decomposition products: In high temperatures, may emanate highly toxic lead fumes and metal oxides.

Section 11. Toxicological information

Acute toxicity:

Iron	7439-89-6	DL ₅₀ Oral: Human = 200 mg/Kg DL ₅₀ Oral: Rat = 750 mg/Kg
Antimony	7440-36-0	DL ₅₀ Oral: Rat = 7000 mg/Kg
Arsenic	7440-38-2	DL ₅₀ Oral: Rat = 763 mg/Kg DL ₅₀ Oral: Mouse = 144 mg/Kg

Skin corrosion/irritation:

Not applicable

Serious eye damage/irritation:

Not applicable

Respiratory or skin sensitisation:

Not applicable

Gem cell mutagenicity:

Not applicable

Carcinogenicity:

Lead: Suspected of causing cancer.

Arsenic: May cause cancer

Reproductive toxicity:

Lead: May damage fertility or the unborn child

STOT- Single exposure:

Not applicable

STOT- repeated exposure:

Lead: 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:**

Lead	7439-92-1	CL ₅₀ - Micropterus dolomieu 2.2 mg/l - 96h CE ₅₀ - Skeletonema costatum 7.94 mg/l - 240h
Iron	7439-89-6	CL ₅₀ - Morone saxatilis 13.6 mg/l - 96h
Arsenic	7440-38-2	CL ₅₀ - Pimephales promelas (fathead minnow) 9.9 mg/l - 96h CE ₅₀ - Daphnia magna 3.8 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

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

Important Note: The intact product is a non-controlled product under WHMIS and GHS rules. However, dust and residue that may be derived from the handling will be controlled as follows:

WHMIS 1988:



Class D2A - Materials Causing Other Serious Toxic Effects

Section 16. Additional information

Date of issue:

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Version:

3.00

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>*