

WHMIS CLASSIFICATION: Not controlled

### 1. PRODUCT AND COMPAGNY INFORMATION

<b>Trade Name</b>	Steel Wheel Balance Weight
<b>Synonyms</b>	Wheel Weight, Balance Weight, Lead-free weight
<b>Chemical Family</b>	Metal
<b>Chemical Formula</b>	Not applicable
<b>Manufacturer</b>	Plombco Inc. 66, Edmond Street Valleyfield, QC Canada, J6S 3E8
<b>Phone number</b>	(450) 371-8800
<b>Utilization</b>	Automobile part to balance wheels

### 2. INGREDIENTS AND COMPOSITION

Name	Symbol	CAS # *	Mass %	Exposure Limits (mg/m <sup>3</sup> )	LD 50 (mg/kg)	LC50 (mg/kg)
Iron	Fe	7439-89-6	99	Not applicable	NA	NA
Manganese	Mn	7439-96-5	0.6 to 0.9	0.2 mg/m <sup>3</sup> **	NA	NA
Silicon	Si	7440-21-3	0.15 to 0.30	10 mg/m <sup>3</sup> **	NA	NA
Copper	Cu	7440-50-8	0.20	1 mg/m <sup>3</sup> **	NA	NA
Chrome	Cr	7440-47-3	< 0.25	0.5 mg/ m <sup>3</sup> **	NA	NA
Carbone	C	7440-44-0	0.48 to 0.60	NA	NA	NA
Nickel	Ni	7440-02-0	0.09	1.5 mg/m <sup>3</sup> **	9000	NA
Phosphorus	P	7723-14-0	< 0.03	NA	3.8	NA
Sulfur	S	7704-34-9	< 0.035	NA	NA	NA
Molybdenum	Mo	7439-98-7	0.06	NA	NA	NA

\* Numéro «Chemical Abstracts Service»

\*\* According to ACGIH Standard

NA: Not available

### 3. PHYSICAL PROPERTIES

<b>Physical State</b>	Solid	<b>Solubility</b>	Not soluble in water
<b>Melting point</b>	1535°C (2795°F)	<b>Vapor pressure</b>	Not available
<b>Specific gravity</b>	7.86 (water =1)	<b>Boiling point</b>	3000°C (5432°F)
<b>Odor</b>	odorless	<b>Molecular Weight</b>	55.85g/mol
<b>pH</b>	Not applicable		

### 4. TOXICOLOGICAL INFORMATION

---

When used and handled according to the specifications, this product doesn't have any harmful effect according to our experience and information provided to us.

The following toxicological information is base on each individual element composing the alloy.

**Routes of entry:** Can be absorbed through the gastrointestinal tract or respiratory (ingestion, inhalation if liquid gaseous or dust).

**Acute effects:** Dust exposure, eye irritation sensation, hyperemia of the conjunctiva.

**Chronic effects:** Overexposure (inhalation) prolonged or repetitive dust may cause lung disease (siderosis)

**Exposure limits:** See section 2

**Lethal dose and concentration:** See section 2

**Irritation:** No known effect

**Sensitization:** No known effect

**Carcinogenicity:** No known effect

**Teratogenicity:** No known effect

**Effect on reproduction:** No known effect

**Mutagenicity:** No known effect

---

### 5. FIRE AND EXPLOSION DATA

---

**Flammability:** Non-flammable

**Flash point:** Not applicable

**Flammable limits:** Not applicable

**Auto - ignition:** Not applicable

**Product of combustion:** None

**Fire hazard:** Non-flammable

**Explosion hazard:** Not explosive in presence of mechanical impact or of static discharge

**Fire fighting:** Use fire fighting materials and procedures adapted to the immediate environment.

---

## 6. REACTIVITY AND STABILITY

---

**Stability:** Stable

**Conditions of instability:** Not applicable

**Incompatibilities:** It reacts violently with phosphorus and strong oxidizers such as chlorine, fluorine peroxides and acids.

**Dangerous products of reaction:** Contact with acids can cause formation of extremely flammable gas (hydrogen gas)

**Dangerous products of decomposition:** Carbone monoxide, metal oxide vapor

---

## 7. PREVENTIVES MEASURES

---

**Handling:**

Wear eye protection. Avoid contact with skin  
Ventilate properly  
Avoid breathing powder or dust.

**Storage:**

Store in dry  
Keep away from moisture and incompatible substances (see section 6 for incompatible substances)

**Safety Equipment:**

*Protective gloves:* For handling the product or presence of dust

*Glasses:* If the product is melted or if there is dust

*Respirator:* If dust or vapors are present (use NIOSH approved respirator or equivalent when concentrations exceed occupational exposure limits)

**Special remarks:** In presence of vapor or dust, use a local exhaust system



Eye protection



Hand protection



Respiratory protection



---

**8. FIRST AID**

---

**Ingestion:** Do not induce vomiting if the person is unconscious. If not induce vomiting and consult a doctor

**Inhalation:** In case of excessive inhalation or exposure to excessive concentrations of dust, vapors or fumes, remove victim to fresh air and get help from a doctor.

**Eye contact:** If wearing contact lenses, remove them. Flush with water and consult a physician if irritation persists.

**Skin contact:** Rinse profusely with soap and water for 20 minutes

---

**9. TRANSPORT INFORMATION**

---

TDG: Non regulated  
PIN : Not applicable

---

**10. ELIMINATION**

---

Not regulated  
Comply with federal or provincials laws

---

**11. AUTRES INFORMATIONS**

---

<b>Prepared by</b>	Plombco Inc. 66, Edmond Street Valleyfield, QC Canada, J6S 3E8 (450) 371-8800
<b>Date of redaction</b>	June 2004
<b>Date of last review</b>	September 2011

**Reference.**

- Association canadienne de production d'acier 2011 <http://www.canadiansteel.ca/index.php/fr/home>
- ACGIH, TLVs and BEIs, 1999, <http://www.acgih.org/home.htm>
- Canadian Center for Occupational Health and Safety, Database MSDS/FTSS, 2011, <http://www.ccohs.ca/>
- Hazardous Products Act (R.S. 1985, c. H-3), Canada, 2011 <http://laws.justice.gc.ca/en/H-3/index.html>
- CSST – Répertoire toxicologique, 2011, <http://www.reptox.csst.qc.ca/>

- NIOSH, Pocket Guide to Chemical Hazards, 2010, <http://www.cdc.gov/niosh/npg/npg.html>

- NIOSH, programme International sur la sécurité des substances chimiques, 2011  
<http://www.cdc.gov/niosh/ipcs/french.html>

- INRS, Santé Sécurité au Travail Prévention des Risques Professionnels, 2011. [http://www.inrs.fr/inrs-pub/inrs01.nsf/IntranetObject-accesParReference/INRS-FR/\\$FILE/fset.html](http://www.inrs.fr/inrs-pub/inrs01.nsf/IntranetObject-accesParReference/INRS-FR/$FILE/fset.html)

### **Notice to Reader**

*Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. Plombco Inc. extends no warranty and assumes no responsibility for the accuracy of the content and expressly disclaims all liability for reliance thereon. This material safety data sheet provides guidelines for the safe handling and processing of this product; it does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required. Individuals exposed to this product should read and understand this information and be provided pertinent training prior to working with this product.*