

WHMIS CLASSIFICATION: Not controlled

1. PRODUCT AND COMPAGNY INFORMATION

Trade name	Zinc Wheel Balance Weight
Synonyms	Wheel weight, balance weight, Lead-free weighs
Chemical family	Metal
Chemical formula	Not applicable
Manufacturer	Plombco Inc. 66, Edmond Street Valleyfield, QC Canada, J6S 3E8
Phone call	(450) 371-8800
Utilization	Automotive part to balance wheels

2. INGREDIENTS AND COMPOSITION

Nom	Symbol	CAS # *	Mass %	Exposure Limits (mg/m ³)	LD50 (mg/kg)	LC50 (mg/kg)
Zinc	Zn	7440-66-6	80 - 96.1	Not available	Not available	Not available
Aluminum	Al	7429-90-5	3.5 - 4.3	1mg/m ³	Not available	Not available
Magnesium	Mg	7439-95-4	0.02 - 0.05	Not available	Not available	Not available
Nickel	Ni	7446-02-0	-	1 mg/m ³	Not available	Not available
Iron	Fe	7439-89-6	2 to 20	Not applicable	Oral rat 30000	Not available

* Chemical Abstracts Service number

3. PHYSICAL PROPERTIES

Physical state	Solid	Solubility	Not soluble in water
Melting point	419.58 °C	Vapor pressure	487°C à 0.1kPa
Relative density	7.14 (water=1)	Boiling point	907,00 °C
Molecular Weight	65,38g/mol	Aspect	Bluish-white
Solubility in	Acetic acid and alkaline solutions	pH	Not applicable
Odor	odorless		

4. TOXICOLOGICAL INFORMATION

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

Routes of entry: Inhalation if liquid gas or dust, ingestion and skin.

Acute effects: No known effect.

Chronics effects: There is no effect on population exposed to zinc in any form or chemical exposure mode

Exposure limits: See section 2

Lethal dose and concentration: See section 2

Irritation: No known effect.

Carcinogenicity: No known effect.

Teratogenicity: No known effect.

Effect on reproduction: No human data has been published in a professional environment. The only studies relate to cases of oral zinc supplementation during pregnancy, no abnormalities were detected in these conditions

Mutagenicity: No known effect.

5. FIRE AND EXPLOSION DATA

Inflammability: Uninflammable

Flash point: Not applicable

Flammability limits: Not applicable

Auto ignition temperature: Not applicable

Product of combustion: Oxides of zinc, iron, aluminum, manganese, nickel and copper

Fire hazard: Not considered as fire hazard, however, zinc particles can under certain conditions, overheat and ignite spontaneously or lead to violent explosions when dispersed in the air.

Explosion hazard: Not explosive even if mechanical impact or static discharge.

Fire fighting: Use methods and equipment suitable to the immediate environment. Firefighters must wear self-contained breathing apparatus (SCBA) and full protective clothing.

Remarks: When melted, the product can react violently with water.
No sparks and no smoking. No contact with acids, bases and incompatible materials

6. REACTIVITY ET STABILITY

Stability: Stable

Conditions of instability: Not applicable

Incompatibility: Contact with strong acids and alkalis can cause reactions and lead to releases of hydrogen gas.

Dangerous reaction and explosive in contact with water when the zinc is melted

Dangerous products of reaction: Not applicable

Dangerous products of decomposition: Not applicable

7. PREVENTIVES MEASURES

Handling:

Handle away from incompatible materials.

Avoid dust accumulation.

Avoid inhaling dust

Avoid contact with skin and eyes

Smoking ban and avoid contact with acids and incompatibles

Storage: Avoid moisture and incompatible materials (acids and halogenated hydrocarbons and strong bases). Store the product in the absence of any moisture in cool and well ventilated to protect from sunlight and sources of energy or ignition (flames or sparks)

Personal protective equipment:

Safety Glasses: If the product is cast or if dust.

Gloves: For handling and the presence of dust

Respirator: In the presence of vapor or dust (use a respirator approved by NIOSH)

Remarks: In the presence of vapor or dust, use a local exhaust system.

Refrain from eating, drinking and smoking in the workplace. Always wash hands thoroughly before eating, drinking and smoking in designated areas suitable



Eye protection



Hand protection



respiratory protection



8. FIRST AID

Ingestion: If ingestion should be avoided to induce vomiting or give fluids if the person is unconscious. Consult a physician

Inhalation: Remove person from contaminated area. If symptoms develop, remove source of contamination or move victim immediately from the exhibition area to fresh air. Consult a physician.

Contact with eyes: Remove contact lenses. Do not allow victim to rub eyes. Rinse with warm water for several minutes or until particle dust exits the eye, while keeping the eyelids open. If irritation persists, consult a physician

Contact with skin: Any potential effect on health. If irritation occurs, rinse with water and soap. If irritation persists, consult a physician

9. TRANSPORT INFORMATION

(TDG): Non regulated

NIP: Not applicable

10. OTHER INFORMATIONS

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Reference

- 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)

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