

<b>Material Safety Data Sheet</b> May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.	<b>U.S. Department of Labor</b> Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072
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<b>IDENTITY</b> (As Used on Labels and List) Wheel Balance Weights Coated Series – AWN, MCN, IAW, EN, FN, MBN, TAL, PS, PB, 100360S, 100360B, LH, TN	<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>
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### Section I

Manufacturer's Name Perfect Equipment Inc.	Emergency Telephone Number 615-641-1950
Address (Number, Street, City, State, and ZIP Code) 1435 Heil Quaker Blvd.  LaVergne, TN 37086	Telephone Number for Information 615-641-1950
	Date Prepared March 2007
	Signature of Preparer (optional)

### Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	TWA OSHA PEL	TWA ACGIH TLV	Other Limits Recommended	%(optional)
Lead CAS Registry No. 7439-92-1	.05 mg/meter <sup>3</sup>	.15 mg/meter <sup>3</sup>		93 – 99.9
Antimony CAS Registry No. 7440-36-0	.5 mg/meter <sup>3</sup>	.5 mg/meter <sup>3</sup>		0 – 6
Arsenic CAS Registry No. 7440-38-2	.01 mg/meter <sup>3</sup>	.2 mg/meter <sup>3</sup>		0 – .5
Tin CAS Registry No. 7440-31-5	-----	2 mg/meter <sup>3</sup>		0 – .5
Copper CAS Registry No. 7440-50-8	.1 mg/meter <sup>3</sup>	.2 mg/meter <sup>3</sup>		0 – .1

### COATING MATERIAL

There are no hazardous ingredients in the coating. Since the coating encapsulates the lead and its organic compounds, coated wheel balance weights are not considered to be hazardous under normal usage.

DOT HAZARD CLASS – None. Lead is not regulated.

### Section III - Physical/Chemical Characteristics

Boiling Point Approximately	2700° F 1482° C	Specific Gravity (H <sub>2</sub> O = 1)	Approximately	9.7 – 11.3
Vapor Pressure (mm Hg.)	N/A	Melting Point	Approximately	621°F 327°C
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)		N/A

**Solubility in Water**  
Negligible

#### Appearance and Odor

Silver, gray, odorless metal. Various shapes and sizes. Color of the coating is silver or black.

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
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**Extinguishing Media** Dry chemical or carbon dioxide should be used on surrounding fire. Do not use water on fires where molten metal is present.

**Special Fire Fighting Procedures** Use approved full-face piece, self-contained breathing apparatus and full protective clothing.

**Unusual Fire and Explosion Procedures** Molten metals produce fume, dust, or mist that may be toxic and/or respiratory irritants. The metal or the dust may react vigorously with strong oxidizing agents.

(Reproduce locally)

N/A = Not applicable

OSHA 174, Sept. 1985

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## Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid	None
	Stable	X		

**Incompatibility (Material to Avoid)** Halogen gases, oxidizers or acids, or hydrogen peroxide may react violently under reducing conditions (strong acid or base and an active metal), or in the presence of nascent hydrogen, highly toxic stibine, or arsine gas (TLV – .05 ppm) may be evolved.

**Hazardous Decomposition or Byproducts** Temperatures above the melting point may produce lead oxide dust and/or fumes.

Hazardous Polymerization	May Occur		Conditions to Avoid	None
	Will Not Occur	X		

## Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation? Possible	Skin? No	Ingestion? Possible
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**Health Hazards (Acute and Chronic)** If fumes are generated by heating to high temperatures (800° F – 900° F) and if over exposure occurs, the acute symptoms are: weakness, vomiting, loss of appetite, uncoordinated body movement, convulsions, stupor, bloody stools, and possible coma. **Chronic:** Prolonged exposure above the OSHA permissible limits may cause weakness, insomnia, hypertension, slight irritation to skin and eyes, metallic taste in mouth, anemia, constipation, headache, muscle and joint pains, neuromuscular dysfunction, possible paralysis, encephalopathy, and pneumoconiosis.

Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
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There is danger in the cumulative effects of lead. Arsenic is listed as a carcinogen by: National Toxicology Program, International Agency for Research on Cancer, OSHA, and the National Institute for Occupational Safety and Health.

**Signs and Symptoms of Exposure** Inhalation can cause respiratory tract irritation. It can be absorbed through the lungs and upper respiratory tract. Ingestion can cause absorption through the digestive system. Lead is not readily absorbed through the skin; however, it may cause mechanical irritation to the skin. Dermatitis may result from repeated skin contact with antimony, arsenic, or tin compounds. Eye contact may cause mechanical irritation.

### Medical Conditions

**Generally Aggravated by Exposure** Diseases of the liver, kidneys, or nervous system. Skin disorders may be more susceptible to irritation.

**Emergency and First Aid Procedures** Inhalation: Remove from exposure. Get medical attention if experiencing effects of over exposure.

Ingestion: Get immediate medical attention. Eyes: Flush with large quantities of water. Get immediate medical attention. Skin: Wash thoroughly with soap and water.

## Section VII - Precautions for Safe Handling and Use

**Steps to Be Taken in Case Material is Released or Spilled** Normally, there is no dust or particulate associated with coated weights. Collect damaged or used weights and place in container for recycling. Dust or particulate should be vacuumed or wet swept where vacuuming is infeasible. Dry dust should be handled using controls, which minimize fugitive emissions and reentry of dust into the work area. Place material in dry, closed containers for disposal or recycling. Do not use compressed air or dry sweeping for cleaning. Use approved respiratory protection if the possibility of dust, fume, or mist exposure exists. Lead is subject to release reporting under Section 313 of SARA Title III. Reportable quantity is 1 lb. Releases to air, land, or water, which exceed the RQ, must be reported to the National Response Center at 800-424-8802.

**Waste Disposal Method** Material should be recycled if at all possible. Collect and return to Perfect Equipment Company LLC, to an authorized recycling center, or to a secondary lead smelter. Collection, transportation, storage, or disposal should be in accordance with local, state, and federal regulations.

**Precautions to Be taken in Handling and Storing** Store in a dry area where accidental contact with acids, bases, hydrogen peroxide, or halogen gases is not possible.

**Other Precautions** Reasonable care and caution. This material is intended only for industrial use; it must be isolated from children and their environment. Do not eat, drink, or smoke in work areas. Work clothes and equipment should remain in designated areas and should never be taken home or laundered with personal clothing. Do not use compressed air for blowing dust off clothing. Lead is subject to California Proposition 65 cancer and/or reproductive toxicity warning and release requirements.

## Section VIII – Control Measures

Respiratory Protection (*Specify Type*)

Ventilation	<b>Local Exhaust</b> Shall be provided in areas where exposures exceed the PEL.	Special
	<b>Mechanical (General)</b> Recommended	Other

**Protective Gloves** Gloves should be worn when handling this material. **Eye Protection** Safety glasses should be used for operations generating flying pieces. Use goggles around molten metal.

**Other Protective Clothing or Equipment** Hard hat, safety shoes, and other safety equipment should be worn as appropriate for the environment. Coveralls should be worn during use of this material and properly laundered after use.

**Work/Hygienic Practices** Normally accepted personal hygiene, i.e., washing hands, face, neck, and arms thoroughly before eating or smoking is recommended.

# Material Safety Data Sheet

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## U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



**IDENTITY** (As Used on Labels and List) Inorganic Lead

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