

FTZ P/N 17904  
 Customer P/N  
 Description 2/0 Orange Solder Pellet

SDS: Safety Data Sheet

Version 1.0  
 Revision Date: 04/01/2015

**SECTION 1: Identification**

CAS No	7439-92-1	Distributor	FTZ Industries
Name	Lead	Address	515 Palmetto Drive
Formula	Pb	City	Simpsonville
Uses	Battery terminals	State	South Carolina
		Zip	29681
		Country	USA
		Phone Number	864-963-5000

**SECTION 2: Hazard(s) Identification**



Signal Word

Warning

Hazard Statements	H302	Harmful if swallowed
Hazard Statements	H332	Harmful if inhaled
Hazard Statements	H351	Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
Hazard Statements	H361	Suspected of damaging fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
Precautionary Statements	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
Precautionary Statements	P264	Wash...thoroughly after handling
Precautionary Statements	P281	Use personal protective equipment as required.
Precautionary Statements	P301	IF SWALLOWED:
Precautionary Statements	P301	IF SWALLOWED: Call a POISON CENTER or
Precautionary Statements	P301	IF SWALLOWED: Immediately call a POISON CENTER or
Precautionary Statements	P301	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Other Hazards not contributing to the classification	None	
Unknown Acute Toxicity	No data available	

### SECTION 3: Composition/Information on Ingredients

Name	Product Identifier	%
Lead	7439-92-1	100%

### SECTION 4: First-Aid Measures

First-aid measures after ingestion	Rinse mouth with water. Do not induce vomiting. Seek immediate medical attention. Never induce vomiting or give anything by mouth to an unconscious person.
First-aid measures after inhalation	Remove to fresh air, keep warm and quiet, give oxygen if breathing is difficult. Seek immediate medical attention.
General Measures	Under normal handling and use, exposure to solid forms of this material present few health hazards. Subsequent operations such as grinding, melting or welding may produce hazardous dust or fumes which can be inhaled or come in contact with the skin or eyes. Emergency responders should take care to avoid secondary exposure to lead particulate. Wear appropriate protective equipment.
First-aid measures after skin contact	Remove contaminated clothing, wash affected area with soap and water. Seek medical attention. Wash contaminated clothing before reusing.
First-aid measures after eye contact	Flush eyes with lukewarm water, including under upper and lower eyelids, for at least 15 minutes. Seek medical attention.

### SECTION 5: Fire-Fighting Measures

Suitable extinguishing media	Use suitable extinguishing agent for surrounding materials and type of fire.
Fire hazard	This product does not present fire or explosion hazards as shipped. Fine dust from processing is a weak to moderate fire hazard if allowed to accumulate and subjected to an ignition source. Under fire conditions toxic fumes of lead oxide may be released.
Explosion Hazard	Dust explosion potential exists.
Firefighting instructions	Toxic fumes and vapours are produced by molten lead.
Special protective equipment for fire fighters	Full face, self-contained breathing apparatus and full protective clothing when necessary.

### SECTION 6: Accidental Release Measures

General measures	Wear appropriate respiratory and protective equipment specified in section 8. Avoid creating dusts. Avoid breathing dust or fume. Isolate spill area and provide ventilation.
For non-emergency personnel	No additional information available
For emergency responders	No additional information available
Environmental precautions	Do not allow to enter drains or to be released to the environment.

Methods and material for containment and cleaning up

For larger pieces - pick up mechanically. For chips or dust - vacuum using a HEPA filter. Place in properly labeled closed containers. Avoid creating dusts. Do not use compressed air.

## SECTION 7: Handling and Storage

Precautions for safe handling

Handle in a well-ventilated area. Avoid creating dust. Avoid exposure to high temperature. Avoid breathing dust or fumes. Avoid contact with skin and eyes. Wash thoroughly before eating or smoking. See section 8 for information on personal protection equipment.

Storage conditions

Store in a sealed container. Store in a cool, dry area. Protect from moisture. Do not store together with strong oxidizers or acids. See section 10 for more information on incompatible materials.

## SECTION 8: Exposure Controls/Personal Protection

Lead (7439-92-1)

ACGIH	ACGIH TLV	0.05 mg/m <sup>3</sup>
-------	-----------	------------------------

Other information

Wear impermeable gloves, protective work clothing as necessary.

Eye protection

Safety glasses

Respiratory Protection

When potential exposures are above the occupational limits, approved respirators must be used.

Appropriate engineering controls

Whenever possible the use of local exhaust ventilation or other engineering controls is the preferred method of controlling exposure to airborne dust and fume to meet established occupational exposure limits. Use good housekeeping and sanitation practices. Do not use tobacco or food in work area. Wash thoroughly before eating or smoking. Do not blow dust off clothing or skin with compressed air. Clothing worn in areas of exposure to lead dust or fume should be restricted to the workplace and laundered regularly.

## SECTION 9: Physical and Chemical Properties

Physical state	Solid
Molecular mass	207.2
Color	Bluish white, silvery gray
Odor	None reported
pH	Not applicable
Melting point	328 °C
Freezing point	328 °C
Boiling point	1749 °C
Flash point	Not applicable
Critical temperature	-267 °C
Auto-ignition temperature	No data available

Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapor pressure	1.3 mm Hg @970C
Critical pressure	No data available
Relative vapor density at 20 °C	11.8
Specific gravity / density	11.34 g/cm <sup>3</sup> (at 25 °C)
Relative gas density	No data available
Solubility	Insoluble in water
Explosive properties	No data available
Oxidizing properties	
Additional information	

### SECTION 10: Stability and Reactivity

Hazardous decomposition products	Lead oxide fume.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	High temperatures will generate toxic lead oxide fumes.
Conditions to avoid	Avoid creating or accumulating fines or dusts. Avoid high temperatures.
Incompatible materials	Strong acids, strong oxidizers, halogens and interhalogen compounds.
Reactivity	No data

### SECTION 12: Ecological Information (non-mandatory)

Ecotoxicity	No data
Persistence and Degradability	No data
Bioaccumulative Potential	No data
Mobility in Soil	No data

### SECTION 13: Disposal Considerations (non-mandatory)

Waste disposal recommendations	Dispose of contents/container in accordance with local/regional/national/international regulations. Contact supplier for any special requirements.
--------------------------------	--

### SECTION 14: Transport Information (non-mandatory)

In accordance with DOT regulations

## SECTION 15: Regulatory Information (non-mandatory)

TSCA Listed	All components are listed
EC No 1272/2008 (CLP)	Acute toxicity, category 4, Carcinogenicity, category 2, Reproductive toxicity, category 2.
Canada	WHMIS Classification (CPR, SOR/88-66): Class D, Division 2, Subdivision A - Very toxic material causing other toxic effects.
HMIS Ratings	Health: 1 Flammability: 0 Physical: 0
NFPA Ratings	Health: 1 Flammability: 0 Reactivity: 0
Chemical Safety Assessment	A chemical safety assessment has not been carried out.

## SECTION 16: Other Information

Version 1.0

Revision Date: 04/01/2015