

Environmental Fate	Lead is very persistent in soil and sediments. No data on environmental degradation. Mobility of metallic lead between ecological compartments is slow. Bioaccumulation of lead occurs in aquatic and terrestrial animals and plants but little bioaccumulation occurs through the food chain. Most studies include lead compounds and not elemental lead		
Ecotoxicity	Very toxic to aquatic life with long lasting effects. However, no ecological impacts expected under normal use conditions.		
Constituents	Species		Test Results
Inorganic Lead/Lead Compounds (CAS 7439-92-1)			
Aquatic			
Fish	LC50	Rainbow trout, Donaldson trout (Oncorhynchus mykiss)	1.17 mg/l, 96 hours
Persistence and Degradability	No data available		
Bioaccumulative potential	No data available		
Additional Information	No known effects on stratospheric ozone depletion Volatile organic compounds: 0% (by Volume) Water Endangering Class (WGK): NA		

### 13. DISPOSAL CONSIDERATIONS

<b>Waste disposal method</b>	Material should be recycled if possible. Lead-acid batteries are completely recyclable. Dispose waste and residues in accordance with applicable federal, state, and local regulations.
<b>Hazardous waste code</b>	D008: Lead
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or packaging may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

**Note:** Transportation requirements do not apply once the battery pack has been installed in a vehicle as part of the vehicle's functional components.

**Transportation:** Sealed Lead Acid / OPTIMA Battery is not a DOT Hazardous Material

**Other:** Per DOT, IATA, ICAO, and IMDG rules and regulations, these batteries are exempt from "UN2800" classification as a result of successful completion of the following tests:

- 1.) Vibration tests
- 2.) Pressure Differential Tests
- 3.) Case Rupturing Tests (no free liquids)

**GROUND – US-DOT/CAN-TDG/EU-ADR/APEC-ADR:**

Not regulated as dangerous goods per 49 CFR 173.159a

**AIRCRAFT – ICAO-IATA:**

Not regulated as dangerous goods per Special Provision A67

**I VESSEL – IMO-IMDG:**

Not regulated as dangerous goods per exception 238

### 15. REGULATORY INFORMATION

This product is an article pursuant to 29 CFR 1910.1200 and as such is not subjected to the OSHA Hazard Communication Standard. The information on this SDS is supplied at customer's request for information only.

#### TSCA

Ingredients listed in the TSCA registry are lead, lead compounds, and sulfuric acid.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Lead (CAS 7439-92-1)	Reproductive toxicity
	Central nervous system
	Kidney