



Ascent Battery Supply, LLC  
 1325 Walnut Ridge Drive  
 Hartland, Wisconsin 53029

**Safety Data Sheet (SDS)**

**Powersport Lead Acid – Dry Charged**

The information and recommendations below are believed to be accurate at the date of document preparation. Ascent Battery Supply makes no warranty or merchantability or any other warranty, express or implied, with respect to this information and assumes no liability resulting from its use. This SDS provides guidelines for safe use and handling of product. It does not, and cannot, advise all possible situations. All specific uses of this product must be evaluated by the end user to determine if additional safety precautions should be taken.

The following information is provided as a courtesy to Ascent customers.

**SECTION 1 - IDENTIFICATION**

<b>Product Name</b>	Dry Charged Lead Acid Battery	<b>Emergency Number</b>	CHEMTREC 1-800-424-9300
<b>Common Name(s)</b>	Dry Charged Powersport Battery	<b>International Emergency Number</b>	CHEMTREC +1 703-741-5970
<b>Synonyms</b>	Powersport Battery, Motorcycle Battery		
<b>DOT Description</b>	Dry Charged, Lead Acid Battery		
<b>Chemical Name</b>	Dry Charged, Lead Acid Battery		
<b>Distributed By</b>	Ascent Battery Supply, LLC 1325 Walnut Ridge Drive		
<b>Address</b>	Hartland, Wisconsin 53029		

**SECTION 2 – HAZARD(S)**

<b>Normal Conditions</b>	Under normal operating conditions, this product poses no health hazard.
<b>Unusual Fire and Explosion Hazards</b>	Hydrogen and oxygen gases are produced in the cells during normal battery operation and may increase fire risk in poorly ventilated areas (hydrogen is flammable and oxygen supports combustion). These gases enter the air through the vent caps. To avoid the chance of fire or explosion, keep sparks and other sources of ignition away from the battery.
<b>Electrical Safety</b>	Battery terminals can be short circuited.
<b>Health Hazards</b>	<b>Lead and Lead Compounds:</b> Isolated exposure to dust or fumes can cause respiratory and eye irritation. Chronic exposure can cause kidney and nervous system damage; anemia and damage to the reproductive system. Ingestion may cause abdominal pain, nausea, vomiting, diarrhea, and severe cramping.

**SECTION 3 – COMPOSITION**

COMPONENT – Battery	CAS No.	Percentage %
Lead: Pb	7439-92-1	85 – 92%
PbO <sub>2</sub>	1317-36-8	
PbSO <sub>4</sub>	7446-14-2	
Tin (Sn)	7440-31-5	≤ 0.3%
Antimony (Sb)	7440-36-0	≤ 0.2%
Aluminum (Al)	7429-90-5	≤ 0.1%
Calcium (Ca)	7440-70-2	≤ 0.05%
Case Materials	n/a	balance

## SECTION 4 – FIRST AID MEASURES

<b>Skin Contact</b>	Wash with soap and water.
<b>Eye Contact</b>	Flush immediately with water for 15 minutes and consult a physician.
<b>Ingestion</b>	Consult a physician and/or Poison Control immediately.
<b>Inhalation</b>	Remove from exposure. Gargle, wash nose and lips, and consult a physician.

## SECTION 5 – FIRE-FIGHTING MEASURES

<b>Extinguishing Media</b>	CO <sub>2</sub> ; foam; dry chemical; avoid using water
<b>Special Fire-fighting Procedures</b>	In a fire, battery materials may produce toxic metal fumes, vapor, or dust. Wear a positive pressure self-contained breathing apparatus (SCBA) and protective gear. Keeps sparks and other sources of ignition away from batteries. Do not allow
<b>Unusual Fire and Explosion Hazards</b>	Reacts violently with metals, nitrates, chlorates, carbides and other organic materials. Reacts with most metals to yield explosive and flammable hydrogen gas.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

Lead dust should be vacuumed or wet swept into a DOT approved container. Use controls that minimize escaping or fugitive emissions. Do not use compressed air.

## SECTION 7 – HANDLING AND STORAGE

Store batteries in a cool, dry, well-ventilated area: separate from incompatible materials and any activities that can generate flames, sparks, or heat. Use an insulating material, such as cardboard, between stacked layers of batteries. Keep all metallic articles that could short the terminals away from batteries. Use insulated tools only. Follow all installation instructions and diagrams when installing or maintaining battery systems.

Handle cautiously; avoid contact with eyes and skin.

## SECTION 8 – EXPOSURE/PERSONAL PROTECTION

- Personal protective equipment must be worn if battery is cracked or otherwise damaged.
- Wear protective clothing and eyewear when handling or filling batteries.
- In case of insufficient ventilation, wear suitable respiratory equipment.

### Exposure Limits: TWA (ACGIH, OSHA or NIOSH USA)

Substance	CAS	Limit Value
Arsenic (AS)	7440-38-2	0.01 mg/m <sup>3</sup>
Tin (Sn)	7440-31-5	2 mg/m <sup>3</sup>
Antimony (Sb)	7440-36-0	0.5 mg/m <sup>3</sup>
Calcium (Ca)	7440-70-2	5 mg/m <sup>3</sup>
Aluminum (Al)	7429-90-5	10 mg/m <sup>3</sup>
Lead (Pb)	7439-92-1	0.05 mg/m <sup>3</sup>

## SECTION 9 – PHYSICAL/CHEMICAL PROPERTIES

### PHYSICAL PROPERTIES

Battery is a geometric odorless solid.

Component	Density	Melting Point	Solubility (H <sub>2</sub> O)	Odor	Appearance
Lead	11.34	327°C	None	None	Silver-gray metal
Lead Sulfate	6.2	1070°C	40mg/l (@15°C)	None	White powder
Lead Dioxide	9.4	290°C	None	None	Brown Powder

### FLAMMABILITY INFORMATION

Component	Flash Point	Explosive Limits
Lead	None	None

## SECTION 10 – STABILITY & REACTIVITY

<b>Stability: Stable</b>	Prolonged overcharge on high current can lead to ignition source
<b>Incompatibility/ Materials to avoid</b>	Avoid contact with strong acids, bases, halides, halogenates, potassium nitrate, permanganate, peroxides, nascent hydrogen, and reducing agents.
<b>Polymerization</b>	--
<b>Decomposition</b>	--
<b>Conditions to avoid</b>	Prohibit smoking and sparks from battery charging areas.

## SECTION 11 – TOXICOLOGICAL INFORMATION

COMPONENT – Battery	TLV	LDLo - Oral	LCLo - Inhalation	LC 50 - Contact
Lead: Pb, PbO <sub>2</sub> , PbSO <sub>4</sub>	--	(155 mg/kg)	0.011 mg/m <sup>3</sup>	--
Antimony (Sb)	--	--	13.5 mg/m <sup>3</sup>	--

## SECTION 12 – ECOLOGICAL INFORMATION

DO NOT discharge un-neutralized acid to the sewer. Lead persists in soil and sediment.

## SECTION 13 - DISPOSAL

Spent batteries – send to secondary lead smelter for recycling. Follow all applicable federal, state, and local regulations. Large diluted spills should be managed in accordance with federal, state, and local requirements. Dispose of container and unused contents in accordance with legal requirements. Containers of this material may be hazardous when empty since they retain product residues. Observe all warnings and precautions listed for the product.

## SECTION 14 – TRANSPORT

Land transport: This product is not hazardous as defined by 49 CFR 172.101 by the USDOT.

Sea transport: This product is not classified as dangerous goods by the IMAO.

Air Transport: This product is not classified as dangerous goods by the International Air Transport Association (IATA) or the ICAO.

## SECTION 15 – REGULATORY INFORMATION

**RCRA:** Spent lead acid batteries are not regulated as hazardous waste by the EPA when recycled; however, state and international regulations may vary.

**Substances on MA, NJ, PA Right-To-Know lists and TSCA Registry:**

Lead-Pb (7439-92-1), Antimony-Sb (7440-36-0), Tin-Sn (7440-31-5), Arsenic-As (7440-38-2), Calcium-Ca (7440-70-2)

**Chemicals Listed or Regulated under the following:**

OSHA: Lead and inorganic Lead compounds

CAA: Lead compounds and Antimony compounds

CERCLA/SARA: Lead, Antimony, Arsenic

D Series Wastes: Lead, Arsenic

40 CFR 261 Appendix VIII Hazardous constituents – no waste number: Lead, Lead compounds, Antimony, Antimony compounds, Arsenic

CA Prop 65: Lead, Lead compounds, inorganic Lead compounds, Arsenic

RI Hazardous Substances List – Toxic: Lead(dust and fume), Tin, Antimony, Antimony compounds, Arsenic(carcinogen)

This product contains chemicals that may be reportable under EPCRA Section 313 Toxic Chemical Release Inventory (Form R) requirements. If manufacturing under SIC codes 20 through 39, the chemical composition data in Section 3 of this document is provided to enable you to complete the required reports. Section 313 does not apply to batteries that are consumer products.

## SECTION 16 - OTHER

<b>Document Control No:</b>	SDS20023 – SDS for Powersport Lead Acid – Dry Charged	<b>Revision:</b>	2	<b>Effective Date:</b>	10/5/2016
-----------------------------	---	------------------	---	------------------------	-----------