

Safety Data Sheet (SDS) - Truth Power Batteries

Product: Tubular Lead-Acid Batteries (Wet/Flooded)

| SDS Code/Version: TPLAB-SDS-2025-Rev01 | Issue Date: December 07, 2025 |

1. Identification

Information	Details
Product Name	Truth Power Tubular Lead-Acid Batteries (Wet/Flooded)
Recommended Use	Power storage for Inverter, UPS, Automotive, and Industrial applications.
Restrictions on Use	Do not open, short circuit, or charge/discharge outside of specified parameters.
Manufacturer/Supplier	Truth Power Batteries
Address	UPSDIC Exten-1, Kosi Kalan, Mathura, 281403, Uttar Pradesh, India
Telephone Number	(Must be filled in by manufacturer)
Emergency Contact	(Must be filled in by manufacturer - e.g., Fire, Medical, Spill)
Website	www.truthpowerbatteries.com

2. Hazard(s) Identification

GHS/UN Classification

- **UN Number:** UN2794
- **Proper Shipping Name:** Batteries, wet, filled with acid, electric storage
- **Hazard Class:** 8 (Corrosive)
- **Packing Group:** III

Signal Word: DANGER

Component Hazard	Hazard Class/Category	Hazard Statement (H-Code)
Sulfuric Acid (Electrolyte)	Corrosive (Class 8)	H314 - Causes severe skin burns and eye damage.
Lead (Plates)	Toxic for Reproduction (H&E Category 1A)	H360 - May damage fertility or the unborn child.
Emitting Gases (Charging)	Flammable Gas (Hydrogen)	H220 - Extremely flammable gas.

Selected Precautionary Statements

- **P280:** Wear protective gloves, protective clothing, eye protection, and face protection.
- **P305 + P351 + P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P405:** Store locked up.
- **P501:** Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/Information on Ingredients

Chemical Name	CAS Number	Concentration (Approx.)	Hazard Classification
Lead and Lead Compounds	7439-92-1 (Lead)	35-50%	Repr. 1A, Acute Tox. (Inhalation)
Sulfuric Acid (Electrolyte)	7664-93-9	20-35%	Corrosive Class 8
Water	7732-18-5	10-30%	Not Hazardous

4. First-Aid Measures

Exposure Route	Action
Inhalation	Move person to fresh air. If breathing is difficult, administer oxygen. Seek medical attention immediately.
Skin Contact	Immediately take off contaminated clothing. Rinse with plenty of water for at least 15 minutes. Apply baking soda solution if available. Seek medical attention immediately.
Eye Contact	Rinse cautiously with water for at least 30 minutes, holding the eyelids open. Seek medical attention immediately.

Exposure Route	Action
Ingestion	Do NOT induce vomiting. Rinse mouth. Give 1-2 glasses of milk or water. Seek medical attention immediately.

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Dry chemical, CO_2 , water spray, or foam.
- **Unsuitable Media:** Do not use a direct water jet on exposed acid or battery fire.
- **Specific Hazards:** Hydrogen gas released during charging is extremely flammable. Fire may release toxic sulfur dioxide.
- **Protection:** Wear Self-Contained Breathing Apparatus (SCBA) and full protective gear.

6. Accidental Release Measures (Spillage)

1. **Personal Precautions:** Wear appropriate PPE (gloves, goggles, face shield). Ensure ventilation.
2. **Cleanup:** Carefully neutralize spilled sulfuric acid with **sodium bicarbonate (baking soda)**, soda ash, or lime.
3. **Containment:** Once neutralized, absorb the liquid with inert absorbent material and place in an acid-resistant container for disposal.

7. Handling and Storage

- **Handling:** Ensure **excellent ventilation** during charging. Keep away from ignition sources. Use proper lifting techniques.
- **Storage:** Store in a cool, dry, well-ventilated area. Keep away from heat, sparks, and incompatible materials (strong bases, metals).

8. Exposure Controls/Personal Protection

Component	OSHA PEL (US)	ACGIH TLV (US)
Lead (as Pb)	$50 \mu\text{g}/\text{m}^3$ (TWA)	$50 \mu\text{g}/\text{m}^3$ (TWA)
Sulfuric Acid	$1 \text{mg}/\text{m}^3$ (TWA)	$0.2 \text{mg}/\text{m}^3$ (TWA)

- **PPE:** Chemical splash goggles/face shield, acid-resistant gloves (neoprene/rubber), protective apron.

- **Engineering Controls:** Provide eyewash stations and safety showers. Use explosion-proof ventilation in charging areas.

9. Physical and Chemical Properties (Electrolyte)

Property	Value
Appearance	Liquid (clear to cloudy) in a solid casing.
Odor	Odorless (Pungent/acidic if exposed).
pH	<1 (Strongly acidic).
Relative Density	$\approx 1.200-1.300$.
Solubility in Water	Miscible with water.

10. Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Sparks, open flames, high temperatures, short-circuiting.
- **Incompatible Materials:** Strong bases, metals, reducing agents.
- **Hazardous Decomposition:** Hydrogen gas (flammable/explosive), sulfur oxides (in fire).

11. Toxicological Information

- **Corrosion:** Sulfuric acid causes severe skin and eye burns.
- **Carcinogenicity:** Lead compounds are classified as a probable human carcinogen (IARC Group 2A).
- **Reproductive Toxicity:** Lead can cause developmental and reproductive harm.

12. Ecological Information

- **Ecotoxicity:** Highly toxic to aquatic life (low pH and lead).
- **Disposal:** **NEVER** dispose of lead-acid batteries in regular trash. They are hazardous waste and must be recycled.

13. Disposal Considerations

- **Product:** Must be recycled through an authorized battery recycler in accordance with local regulations.

- **Contaminated Packaging:** Dispose of contaminated materials as hazardous waste.
-

14. Transport Information

UN Number	UN2794
Proper Shipping Name	Batteries, wet, filled with acid, electric storage
Hazard Class	8 (Corrosive)
Packing Group	III

15. Regulatory Information

- All components are subject to applicable hazardous material and chemical inventory regulations (local/national/international).