

# US - SAFETY DATA SHEET

Revision Date: March -11-2021

Version 1.02

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Valve Regulated Sealed Lead Acid Battery

**Part Number** RG1250T2

### Recommended use of the chemical and restrictions on

use Application of the substance /the preparation :UPS,

**Backup Power, Mobility, and othe use** -

### Details of the supplier of the safety data sheet

#### Supplier Address

Raion Group  
1400 S Sherman St  
Ste 124  
Richardson, TX 75081

#### Emergency telephone number

**Company Phone Number** (469) 225-3773

## 2. HAZARDS IDENTIFICATION

### Classification

#### **Health Hazards**

Not classified

#### Physical hazards

Not classified

#### OSHA Regulatory Status

Material is an article. No health effects are expected related to normal use of this product as sold. Hazardous exposure can occur only when the product is heated, oxidized or otherwise processed or damaged to create lead dust, vapor or fume. Follow manufacturer's instructions for installation, service and use.

**Label elements****Emergency Overview**

|                   |                |                       |       |             |          |
|-------------------|----------------|-----------------------|-------|-------------|----------|
| <b>Appearance</b> | Not available. | <b>Physical state</b> | Solid | <b>Odor</b> | Odorless |
|-------------------|----------------|-----------------------|-------|-------------|----------|

**• 3.COMPOSITION/INFORMATION ON INGREDIENTS**

**Synonyms** Not available.

| Chemical      | CAS       | Weight-% |
|---------------|-----------|----------|
| Arsenic       | 7440-38-2 | 0.003    |
| Powdered      | 7439-92-1 | 63-78    |
| Sulfuric Acid | 7664-93-9 | 10-30    |
| Tin           | 7440-31-5 | 0.006    |

**• 4.FIRST AID MEASURES****First aid measures****Eye contact**

First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.

**Skin Contact**

First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, get medical attention.

If exposure to electrolyte (sulfuric acid) occurs, flush with large quantities of water for 15 minutes. Immediately remove contaminated clothing and shoes. If exposure to lead component occurs, wash contaminated skin with plenty of soap and water.

**Inhalation**

First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air.

**Ingestion**

First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.

If electrolyte (sulfuric acid) portion of battery is ingested, DO NOT induce vomiting. Get medical attention immediately. If lead portion of battery is ingested get medical attention immediately.

**Self-protection of the first aider**

Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**Most important symptoms and effects, both acute and delayed****Symptoms**

Symptoms of lead toxicity include headache, fatigue, abdominal pain, loss of appetite, muscular aches and weakness, sleep disturbances and irritability. Lead absorption may cause nausea, weight loss, abdominal spasms, and pain in arms, legs and joints. Effects of chronic lead exposure may include central nervous system (CNS) damage, kidney dysfunction, anemia, neuropathy particularly of the motor nerves with wrist drop, and potential reproductive effects.

Acute exposure to sulfuric acid causes severe irritation, burns and permanent tissue damage to all routes of exposure. Chronic exposure to sulfuric acid may cause erosion of tooth enamel, inflammation of nose, throat and respiratory system.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

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## • 5.FIRE-FIGHTING MEASURES

### Suitable extinguishing media

CO<sub>2</sub>, dry chemical or foam.

**Unsuitable extinguishing media** Avoid using water.

### Specific hazards arising from the chemical

**Hazardous combustion products** Lead portion of battery will likely produce toxic metal fume, vapor or dust.

### Explosion data

**Sensitivity to Mechanical Impact** Not available.

**Sensitivity to Static Discharge** None known.

### Protective equipment and precautions for firefighters

If batteries are on charge, shut off power. Do not allow metallic materials to simultaneously contact negative and positive terminals of cells and batteries.

Wear a positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

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## • 6.ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** No special precautions expected to be necessary if material is used under ordinary conditions and as recommended. Avoid contact of lead with skin.

**Other Information** Non-emergency personnel should utilize chemical gloves.

**For emergency responders** Wear chemical gloves, goggles, acid resistant clothing and boots, respirator if insufficient ventilation.

### Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Runoff from fire control and dilution water may be toxic and corrosive and may cause adverse environmental impacts. See Section 12 for additional ecological information.

### Methods and material for containment and cleaning up

**Methods for containment** In event of a battery rupturing; stop the leak if you can do it without risk. Absorb with earth, sand, or other non-combustible material. Cautiously neutralize spilled liquid.

**Methods for cleaning up** Dispose of in accordance with local, State, and national regulations.

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## • 7.HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle batteries cautiously. Do not tip to avoid spills (if filled with electrolyte). Avoid contact with internal components. Wear protective clothing when filling or handling batteries. Follow manufacturer's instructions for installation and service. Do not allow conductive material to touch the battery terminals. Short circuit may occur and cause battery failure and fire. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Eyewash stations and safety showers should be provided with unlimited water supply. Handle in accordance with good industrial hygiene and safety practice.

### **Conditions for safe storage, including any incompatibilities**

#### **Storage Conditions**

Store in a cool/low-temperature, well-ventilated place away from heat and ignition sources. Batteries should be stored under roof for protection against adverse weather conditions. Place cardboard between layers of stacked batteries to avoid damage and short circuits. Store batteries on an impervious surface.

Storage class:

Class 8B: Non-flammable corrosive materials.

#### **Incompatible materials**

Sulfuric acid: Contact with combustible and organic materials may cause fire and explosion. Also reacts violently with strong reducing agents, metals, sulfur trioxide, strong oxidizers and water. Contact with metals may product toxic sulfur dioxide fumes and may release flammable hydrogen gas.

Lead compounds: Avoid contact with strong bases, acids, combustible organic materials, halides, halogenates, potassium nitrate, permanganate, peroxides, nascent hydrogen, reducing agents, and water.

## **• 8.EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control parameters**

#### **Exposure Guidelines**

| Chemical Name              | ACGIH TLV                                      | OSHA PEL   | NIOSH IDLH   |
|----------------------------|--|--|--|
| Arsenic<br>7440-           | TWA: 0.01 mg/m <sup>3</sup> As                 | TWA: 10 µg/m <sup>3</sup> As                           | IDLH: 5 mg/m <sup>3</sup> As<br>Ceiling: 0.002 mg/m <sup>3</sup> As 15       |
| Powdered Lead<br>7439-92-1 | TWA: 0.05 mg/m <sup>3</sup> Pb                 | TWA: 50 µg/m <sup>3</sup> TWA: 50 µg/m <sup>3</sup> Pb | IDLH: 100 mg/m <sup>3</sup><br>TWA: 0.050 mg/m <sup>3</sup>                  |
| Sulfuric Acid 7664-93-9    | TWA: 0.2 mg/m <sup>3</sup> thoracic fraction   | TWA: 1 mg/m <sup>3</sup>                               | IDLH: 15 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup>                       |
| Tin<br>7440-31-5           | TWA: 2 mg/m <sup>3</sup> Sn except Tin hydride | TWA: 2 mg/m <sup>3</sup> Sn except oxides              | IDLH: 100 mg/m <sup>3</sup> Sn<br>TWA: 2 mg/m <sup>3</sup> except Tin oxides |

### **Appropriate engineering controls**

#### **Engineering Controls**

The health hazard risks of handling this material are dependent on factors, such as physical form and quantity. Site-specific risk assessments should be conducted to determine the appropriate exposure control measures. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels as low as reasonably achievable.

### **Individual protection measures, such as personal protective equipment**

#### **Eye/face protection**

In laboratory, medical or industrial settings, safety glasses with side shields are recommended. The use of goggles or full face protection may be required depending on the industrial exposure setting. Contact a health and safety professional for specific information.

#### **Skin and body protection**

Wear appropriate gloves. No skin protection is ordinarily required under normal conditions of use. In accordance with industrial hygiene practices, if contact with leaking battery is expected precautions should be taken to avoid skin contact. Under severe exposure or emergency conditions, wear acid-resistant clothing and boots.

#### **Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

#### **General Hygiene Considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## • 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                |                     |                |          |
|----------------|---------------------|----------------|----------|
| Physical state | Solid               |                |          |
| Appearance     | No                  | Odor           | Odorless |
| Color          | Data                | Odor threshold | No       |
|                | Clear (electrolyte) |                |          |

| <u>Property</u>               | <u>Value</u>      | <u>Remarks</u> | <u>Method</u> |
|-------------------------------|-------------------|----------------|---------------|
| pH                            | No Data           |                |               |
| Melting point/freezing point  | No Data           |                |               |
| Boiling point / boiling range | 95 °C - 95.555 °C |                |               |
| Flash point                   | No Data           |                |               |
| Evaporation                   | No Data           |                |               |
| Flammability (solid, gas)     | No Data           |                |               |
| Flammability Limit in Air     |                   |                |               |
| Upper flammability limit:     | No Data           |                |               |
| Lower flammability limit:     | No Data           |                |               |
| Vapor                         | 10 mmHg           |                |               |
| Vapor density                 | 1                 |                |               |
| Specific                      | No Data           |                |               |
| Water                         | 100               |                |               |
| Solubility in other solvents  | No Data           |                |               |
| Partition coefficient         | No Data           |                |               |
| Autoignition temperature      | No Data           |                |               |
| Decomposition temperature     | No Data           |                |               |
| Kinematic viscosity           | No Data           |                |               |
| Dynamic viscosity             | No Data           |                |               |
| Explosive properties          | No Data           |                |               |
| Oxidizing properties          | No Data           |                |               |

### Other Information

|              |                                     |
|--------------|-------------------------------------|
| Softening    | No Data                             |
| Molecular    | No Data                             |
| VOC Content  | No Data                             |
| (%)          | 75.8523-84.2803 lbs/ft <sup>3</sup> |
| Bulk density | No Data                             |

## • 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive.

### Chemical stability

Stable at normal temperatures and pressures.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous polymerization**

Hazardous polymerization does not occur.

### Conditions to avoid

Prolonged overcharge, sources of ignition.

### Incompatible materials

Sulfuric acid: Contact with combustible and organic materials may cause fire and explosion. Also reacts violently with strong reducing agents, metals, sulfur trioxide, strong oxidizers and water. Contact with metals may product toxic sulfur dioxide fumes and may release flammable hydrogen gas.

Lead compounds: Avoid contact with strong bases, acids, combustible organic materials, halides, halogenates, potassium nitrate, permanganate, peroxides, nascent hydrogen, reducing agents, and water.

### **Hazardous Decomposition Products**

Lead compounds exposed to high temperatures will likely produce toxic metal fume, vapor or dust; contact with strong acid/base or presence of nascent hydrogen may generate highly toxic arsine gas.

Sulfuric acid: Sulfur trioxide, carbon monoxide, sulfuric acid mist, sulfur dioxide, and hydrogen.

## **• 11.TOXICOLOGICAL INFORMATION**

### **Information on likely routes of exposure**

#### **Product Information**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | (Acute): Under normal conditions of use, no health effects are expected. Contents of an open battery can cause respiratory irritation.<br>(Chronic): Repeated and prolonged exposure may cause irritation. |
| <b>Eye contact</b>  | (Acute): Under normal conditions of use, no health effects are expected. Exposure to dust may cause irritation.<br>(Chronic): No data available.   |
| <b>Skin Contact</b> | (Acute): Under normal conditions of use, no health effects are expected.<br>(Chronic): No data available.  |
| <b>Ingestion</b>    | (Acute): Under normal conditions of use, no health effects are expected. Lead ingestion may cause abdominal pain, nausea, vomiting, diarrhea and severe cramping.<br>(Chronic): No data available.         |

### **Acute Effects**

| <b>Chemical Name</b>    | <b>Oral</b>          | <b>Dermal LD50</b> | <b>Inhalation LC50</b>              |
|-------------------------|----------------------|--------------------|-------------------------------------|
| Arsenic 7440-38-2       | = 15 mg/kg ( Rat )   | -                  | -                                   |
| Sulfuric Acid 7664-93-9 | = 2140 mg/kg ( Rat ) | -                  | = 510 mg/m <sup>3</sup> ( Rat ) 2 h |
| Tin 7440-31-5           | = 700 mg/kg ( Rat )  | -                  | -                                   |

### **Information on toxicological effects**

#### **Symptoms**

Symptoms of lead toxicity include headache, fatigue, abdominal pain, loss of appetite, muscular aches and weakness, sleep disturbances and irritability. Lead absorption may cause nausea, weight loss, abdominal spasms, and pain in arms, legs and joints. Effects of chronic lead exposure may include central nervous system (CNS) damage, kidney dysfunction, anemia, neuropathy particularly of the motor nerves with wrist drop, and potential reproductive effects.

Acute exposure to sulfuric acid causes severe irritation, burns and permanent tissue damage to all routes of exposure. Chronic exposure to sulfuric acid may cause erosion of tooth enamel, inflammation of nose, throat and respiratory system.

### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>         | Not available.   |
| <b>Serious eye damage/eye irritation</b> | Not available.   |
| <b>Irritation</b>                        | Severe burns.  |
| <b>Corrosivity</b>                       | Not available.   |
| <b>Sensitization</b>                     | Not available.   |
| <b>Germ cell mutagenicity</b>            | The evidence for genotoxic effects of highly soluble inorganic lead compounds is contradictory with numerous studies reporting both positive and negative effects. Responses appear to be induced by indirect mechanisms, mostly at very high concentrations, that lack physiological relevance. |

## Carcinogenicity

The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mist containing sulfuric acid" as a Category 1 carcinogen, a substance that is carcinogenic to humans. **This classification does not apply to liquid forms of sulfuric acid or sulfuric acid solutions contained within a battery.** Batteries subjected to abusive charging at excessively high currents for prolonged periods without vent caps in place may create a surrounding atmosphere of the offensive strong inorganic acid mist containing sulfuric acid.

There is evidence that soluble lead compounds may have a carcinogenic effect, particularly on the kidneys of rats. However, the mechanisms by which this effect occurs are still unclear. Epidemiology studies of workers exposed to inorganic lead compounds have found a limited association with stomach cancer. This has led to the classification by IARC that inorganic lead compounds are probably carcinogenic to humans (Group 2A).

| Chemical Name           | ACGI | IARC     | NTP                    | OSHA |
|-------------------------|------|----------|------------------------|------|
| Arsenic 7440-38-2       | A1   | Group 1  | Known                  | X    |
| Sulfuric Acid 7664-93-9 | A2   | Group 1  | –                      | X    |
| Powdered Lead 7439-92-1 | A3   | Group 2A | Reasonably Anticipated | X    |

## Reproductive toxicity STOT - single exposure STOT - repeated exposure Chronic toxicity

Not available.  
Not classified.  
Not classified.

Lead is a cumulative poison. Increasing amounts of lead can build up in the body and may reach a point where symptoms and disabilities occur. Continuous exposure may result in decreased fertility. Lead is a teratogen. Overexposure of lead by either parent before pregnancy may increase the chances of miscarriage or birth defects.

## Target Organ Effects

Inorganic lead compounds have been documented in observational human studies to produce toxicity in multiple organ systems and body function including the haematopoietic (blood) system, kidney function, reproductive function and the central nervous system. Postnatal exposure to lead compounds is associated with impacts on neurobehavioral development in children.

## Aspiration hazard

Due to the physical form of the product it is not an aspiration hazard.

## Numerical measures of toxicity - Product Information

### • 12.ECOLOGICAL INFORMATION

## Ecotoxicity

| Chemical Name           | Algae/aquatic plants | Fish   | Toxicity to microorganisms | Crustacea                      |
|-------------------------|----------------------|--|----------------------------|--------------------------------|
| Sulfuric Acid           | –                    | 500: 96 h Brachydanio rerio mg/L LC50  | –                          | 29: 24 h Daphnia magna mg/L    |
| Powdered Lead 7439-92-1 | –                    | 0.44: 96 h Cyprinus carpio mg/L LC50 semi-static 1.32: 96 h Oncorhynchus mykiss mg/L LC50 static 1.17: 96 h Oncorhynchus | –                          | 600: 48 h water flea µg/L EC50 |

## Persistence and degradability

Lead is persistent in soils and sediments.

## Bioaccumulation

Not available.

## Mobility

Not available.

## Other adverse effects

Not available.

## • 13.DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### Contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### US EPA Waste Number

Not available.

| Chemical Name              | RCRA | RCRA - Basis for   | RCRA - D Series           | RCRA - U Series |
|----------------------------|------|--|---------------------------|-----------------|
| Arsenic<br>7440-38-2       | –    | Included in waste streams: F032, F034, F035, F039, K031, K060, K084, K101, K102, K161, K171,                   | 5.0 mg/L regulatory level | –               |
| Powdered Lead<br>7439-92-1 | –    | Included in waste streams: F035, F037, F038, F039, K002, K003, K005, K046, K048, K049, K051, K052, K061, K062, | 5.0 mg/L regulatory level | –               |

**California Hazardous Waste Codes** Not available

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical                   | California Hazardous Waste Status |
|----------------------------|-----------------------------------|
| Sulfuric Acid 7664-93-9    | Toxic<br>Corros                   |
| Powdered Lead<br>7439-92-1 | Toxic                             |

## • 14.TRANSPORT INFORMATION

### **Note:**

This product is not regulated for domestic transport by land, air or rail.

1. Under 49 CFR 171.8, individual packages that contain lead metal (<100 micrometers) below the reportable quantity (RQ) are not regulated.
2. Under 49 CFR 171.4, except when transporting aboard a vessel, the requirements of this subchapter specific to marine pollutants do not apply to non-bulk packaging transported by motor vehicles, rail cars and aircrafts.

### **DOT**

These batteries have been tested and meet the non-spillable criteria listed in CFR49, 173.159 (d) (3) (i) and (ii). Non-spillable batteries are excepted from CFR 49, Subchapter C requirements, provided that the following criteria are met:

- 1.) The batteries must be protected against short circuits and securely packaged.
- 2.) The batteries and their outer packaging must be plainly and durably marked "NON-SPILLABLE" or "NONSPILLABLE BATTERY".

|                             |                               |
|-----------------------------|-------------------------------|
| <b>UN/ID No.</b>            | UN2800                        |
| <b>Proper shipping name</b> | Batteries, wet, non-spillable |
| <b>Hazard Class</b>         | 8                             |
| <b>Subsidiary class</b>     | 8                             |
| <b>Packing Group</b>        | III                           |
| <b>Special Provisions</b>   | 159a                          |

### **IDG**

These batteries have been tested and meet the non-spillable criteria. Non-spillable batteries are excepted provided that the following criteria are met:

- 1.) The batteries must be protected against short circuits and securely packages.
- 2.) The batteries and their outer packaging must be plainly and durably marked "NON-SPILLABLE" or "NONSPILLABLE BATTERY".



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|                             |                               |
|-----------------------------|-------------------------------|
| <b>UN/ID No.</b>            | UN2800                        |
| <b>Proper shipping name</b> | Batteries, Wet, Non-Spillable |
| <b>Hazard Class</b>         | 8                             |
| <b>Subsidiary class</b>     | 8                             |
| <b>Packing Group</b>        | III                           |
| <b>Special Provisions</b>   | 39                            |

**MEX** Not regulated

**ICAO (air)** Raion Power VRLA batteries have been tested and meet the non-spillable criteria listed in IATA Packing Instruction 872 and Special Provision A67. These batteries are excepted from all IATA regulations provided that the battery terminals are protected against short circuits. The words "Not Restricted, as per Special Provision A67" must be included in the description on the Air Waybill.

|                                |                               |
|--------------------------------|-------------------------------|
| <b>UN/ID No.</b>               | UN2800                        |
| <b>Proper shipping name</b>    | Batteries, Wet, Non-Spillable |
| <b>Hazard Class</b>            | 8                             |
| <b>Subsidiary hazard class</b> | 8                             |
| <b>Packing Group</b>           | III                           |
| <b>Special Provisions</b>      | A48, A67, A164, A183          |

**IATA** Raion Power VRLA batteries have been tested and meet the non-spillable criteria listed in IATA Packing Instruction 872 and Special Provision A67. These batteries are excepted from all IATA regulations provided that the battery terminals are protected against short circuits. The words "Not Restricted, as per Special Provision A67" must be included in the description on the Air Waybill.

|                                |                               |
|--------------------------------|-------------------------------|
| <b>UN/ID No.</b>               | UN2800                        |
| <b>Proper shipping name</b>    | Batteries, Wet, Non-Spillable |
| <b>Hazard Class</b>            | 8                             |
| <b>Subsidiary hazard class</b> | 8                             |
| <b>Packing Group</b>           | III                           |
| <b>Special Provisions</b>      | A48, A67, A164, A183          |

**IMDG** These batteries have been tested and meet the non-spillable criteria listed in IMDG Code Special Provision 238.1 and .2; therefore, are not subject to the provisions of the IMDG Code provided that the battery terminals are protected against short circuits when packaged for transport.

|                                |                               |
|--------------------------------|-------------------------------|
| <b>UN/ID No.</b>               | UN2800                        |
| <b>Proper shipping name</b>    | Batteries, Wet, Non-Spillable |
| <b>Hazard Class</b>            | 8                             |
| <b>Subsidiary hazard class</b> | 8                             |
| <b>Packing Group</b>           | III                           |
| <b>Special Provisions</b>      | 29, 238                       |
| <b>Marine pollutant</b>        | No                            |

**RID** Non-spillable batteries are not subject to the requirements of ADR if, at a temperature of 55C, the electrolyte will not flow from a ruptured or cracked case and there is no free liquid to flow and if, as packaged for carriage, the terminals are protected from short circuit.

|                             |                               |
|-----------------------------|-------------------------------|
| <b>UN/ID No.</b>            | UN2800                        |
| <b>Proper shipping name</b> | Batteries, Wet, Not-Spillable |
| <b>Hazard Class</b>         | 8                             |
| <b>Classification code</b>  | C11                           |
| <b>Special Provisions</b>   | 238, 295, 598                 |

**ADR** Non-spillable batteries are not subject to the requirements of ADR if, at a temperature of 55C, the electrolyte will not flow from a ruptured or cracked case and there is no free liquid to flow and if, as packaged for carriage, the terminals are protected from short circuit.

|                             |                               |
|-----------------------------|-------------------------------|
| <b>UN/ID No.</b>            | UN2800                        |
| <b>Proper shipping name</b> | Batteries, Wet, Not-Spillable |

|                            |               |
|----------------------------|---------------|
| <b>Hazard Class</b>        | 8             |
| <b>Classification code</b> | C11           |
| <b>Special Provisions</b>  | 238, 295, 598 |

**ADN** Not regulated

## • 15.REGULATORY INFORMATION

### International Inventories

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | Does not comply |
| <b>DSL/NDSL</b>      | Does not comply |
| <b>EINECS/ELINCS</b> | Does not comply |
| <b>ENCS</b>          | Does not comply |
| <b>IECSC</b>         | Does not comply |
| <b>KECL</b>          | Does not comply |
| <b>PICCS</b>         | Does not comply |
| <b>AICS</b>          | Does not comply |

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name             | CAS No.   | Weight-% | SARA 313 - Threshold Values % |
|---------------------------|-----------|----------|-------------------------------|
| Arsenic - 7440-38-2       | 7440-38-2 | 0.003    | 0.1                           |
| Sulfuric Acid - 7664-93-9 | 7664-93-9 | 10-30    | 1.0                           |
| Powdered Lead - 7439-92-1 | 7439-92-1 | 63-78    | 0.1                           |

#### SARA 311/312 Hazard Categories

|  |    |
|--|----|
| <b>Acute health hazard</b>               | No |
| <b>Chronic Health Hazard</b>             | No |
| <b>Fire hazard</b>                       | No |
| <b>Sudden release of pressure hazard</b> | No |
| <b>Reactive Hazard</b>                   | No |

#### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name              | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|----------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Arsenic<br>7440-38-        | -                           | X                      | X                         | -                          |
| Sulfuric<br>Acid           | 1000 lb                     | -                      | -                         | X                          |
| Powdered Lead<br>7439-92-1 | -                           | X                      | X                         | -                          |

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name               | Hazardous Substances RQs | CERCLA/SARA | Reportable Quantity (RQ)              |
|-----------------------------|--------------------------|-------------|---------------------------------------|
| Arsenic<br>7440-            | 1 lb                     | -           | RQ 1 lb final RQ<br>RQ 0.454 kg final |
| Sulfuric Acid 7664-<br>93-9 | 1000<br>lb               | 1000 lb     | RQ 1000 lb final<br>RQ RQ 454 kg      |
| Powdered Lead<br>7439-92-1  | 10 lb                    | -           | RQ 10 lb final RQ<br>RQ 4.54 kg final |

## **US State Regulations**

### **California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical                      | California Proposition 65                             |
|-------------------------------|---|
| Powdered Lead - 7439-92-<br>1 | Carcinogen<br>Developmental<br>Female<br>Reproductive |

### **U.S. State Right-to-Know Regulations**

This product may contain substances regulated by state right-to-know regulations

| Chemical Name               | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------|------------|---------------|--------------|
| Tin 7440-<br>31-5           | X          | X             | X            |
| Arsenic<br>7440-            | X          | X             | X            |
| Calcium<br>7440-            | X          | X             | X            |
| Sulfuric Acid 7664-<br>93-9 | X          | X             | X            |
| Powdered Lead<br>7439-92-1  | X          | X             | X            |

### **U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not available.

## **• 16.OTHER INFORMATION**

**Issue Date**

**Revision Date**

03/11/2021

**Revision Note**

Not available.

**End of Safety Data Sheet**