

Product: Lithium ion cell  
Date: 5/01/2022

Applicable Product Numbers: SLC-201 PRE and variants  
Revision: A  
Document Number: EHS-AIS-1018

**ARTICLE INFORMATION SHEET (AIS)**

This Article Information Sheet is provided as a courtesy in response to a customer request. A Safety Data Sheet (SDS) has not been prepared for these product(s) because they are articles. This Article Information Sheet (AIS) provides relevant battery information to consumers, OEMs and other users requesting a GHS-compliant SDS. Articles, such as batteries, are exempt from GHS SDS classification criteria. The GHS criteria is not designed or intended to be used to classify the physical, health and environmental hazards of an article.

**SECTION 1: Company Information**

Manufacturer:

EaglePicher Technologies, LLC  
PO Box 47  
Joplin, MO 64802  
417-623-8000

www.eaglepicher.com  
Emergency Telephone Number: CHEMTREC 1-800-424-9300

**SECTION 2: Article Information:**

This product is exempt from hazard classification according to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Description	Lithium ion pouch cell
Recommended Use	Portable power source
Applicable Product Numbers	SLC-201 PRE and variants
Article Construction	
Electrodes	Lithiated metal oxide (proprietary); carbon graphite, CAS 7440-44-0; Polyvinylidene fluoride, CAS 24937-79-9; Styrene butadiene rubber, CAS 9300-55-8; Carboxymethyl cellulose, CAS 9000-11-7; Copper, CAS 7440-90-5; Aluminum, CAS 7429-90-5
Electrolyte	Organic electrolyte (proprietary)
Materials of construction – pouch	Polyethylene terephthalate (PET); nylon; aluminum, polypropylene

**SECTION 3: Health and Safety:**

Normal conditions of Use	Exposure to contents inside the sealed battery will not occur unless the battery leaks, is exposed to high temperatures, or is mechanically abused.
First Aid – Eye Contact	If exposed to internal components of the battery, flush with running water for at least 15 minutes and then seek medical attention.
First Aid – Skin Contact	If exposed to internal components of the battery, flush with running water for at least 15 minutes and then seek medical attention.
First Aid – Inhalation	Contents of leaking battery may be irritating to respiratory passages. Move to fresh air and seek medical attention if irritation persists.
First Aid – Ingestion	Not a likely route of exposure. If exposed to internal components of battery, do not induce vomiting. Seek immediate medical attention. If mouth irritation or burning has occurred, rinse mouth and surrounding area with tepid water for at least 155 minutes.
Precautionary Statements	Battery can leak or explode if heated, disassembled, shorted, exposed to fire or high temperature or inserted incorrectly.

**SECTION 4: Fire Hazards and Firefighting Measures**

Fire Hazard	Batteries may rupture or leak if involved in a fire.
Extinguishing Media	Use any extinguishing media appropriate for the surrounding area. For incipient (beginning) fires, carbon dioxide extinguishers or copious amounts of water are effective in cooling burning lithium batteries. Do not use Halon, dry powder or soda ash extinguishers.
Advice for Fire Fighters	Firefighters should wear Self-Contained Breathing Apparatus and turnout gear.

**SECTION 5: Handling and Storage**

Handling	Avoid mechanical and electrical abuse. Do not short circuit or install incorrectly. Batteries may rupture or vent if disassembled, crushed, recharged or exposed to high temperatures. Do not directly heat or solder. Install batteries in accordance with equipment instructions.
Storage	Store batteries in a dry place. Do not store at a temperature greater than 60° C. To maximize product life, refer to product-specific documentation for recommend storage conditions. Do not place near heating equipment or leave in direct sunlight for a long time.

**SECTION 6: Disposal Considerations**

Collection and Proper Disposal	Dispose of used (or excess) batteries in compliance with federal, state/provincial and local regulations. Do not accumulate large quantities of used batteries for disposal as accumulations could cause batteries to short-circuit. Do not incinerate. In countries, such as Canada and the EU, where there are regulations for the collection and recycling of batteries, consumers should dispose of their used batteries into the collection network at municipal depots and retailers. They should not dispose of batteries with household trash.
USA DOT (49 CFR 173.184 (d))	Lithium cells or batteries shipped for disposal or recycling. A lithium cell or battery, including a lithium cell or battery contained in equipment, that is transported by motor vehicle to a permitted storage facility or disposal site, or for purposes of recycling, is excepted from the testing and record keeping requirements of paragraph (a) and the specification packaging requirements of paragraph (b)(3) of this section, when packed in a strong outer packaging conforming to the requirements of §§173.24 and 173.24(a). A lithium cell or battery that meets the size, packaging, and hazard communication conditions in paragraph (c)(1)-(3) of this section is excepted from subparts C through H of part 172 of this subchapter.
California Universal Waste Rule (Cal. Code Regs. Title 22, Div. 4.5, Ch. 23)	California prohibits disposal of batteries as trash (including household trash).

**SECTION 7: Transportation Information:**

<b>Regulatory Status</b>	EaglePicher Technologies, LLC lithium cells and batteries are delivered in accordance with current IATA/ICAO regulations. Persons who prepare or offer lithium batteries for transport are required by regulation to be trained to the extent of their responsibility. The information in this section is provided for <u>informational purposes only</u> . The transportation of lithium batteries is regulated by ICAO, IATA, IMO, ADR and US DOT.)		
<b>Total Lithium Content (grams)</b>	<b>See below for each product number:</b>		
	<b>Part No.</b>	<b>Total Lithium Content (grams)</b>	<b>Total Cell/Battery Weight (grams)</b>
	SLC-201 PRE	0.52	30
	SLC high voltage variant	0.9	29

DOT (US)	UN Number	Proper Shipping Name	Hazard Class
	UN3480	Lithium ion batteries	9
	UN3481	Lithium batteries packed with equipment	9
	UN3481	Lithium batteries contained in equipment	9

**USA DOT Special Provision:** 49 CFR 173.102: 181, 422, A54, A100 (one or more may apply)  
**USA DOT Exceptions for Lithium Cells or Batteries Shipped for Disposal or Recycling:** 40 CFR 173.185(d)  
**Air Transport (IATA/ICAO) Packing Instructions (63<sup>rd</sup> edition):** PI 965 – Lithium ion batteries  
**Marine/Water Transport (IMDG 40<sup>th</sup> edition) Special Provision:** 188, PI903  
**ADR.RID Special Provision:** 188

**Emergency Transportation Hotline: CHEMTREC 24-Hour Emergency Response Hotline**  
 Within the United States call +703-527-3887  
 Outside the United States, call +1 703-527-3887 (Collect)

**SECTION 8: Regulatory Definitions and Requirements – Articles**

**USA OSHA** 29 CFR 1910.1200(b)(6)(v)  
**USA TSCA** 40 CFR 704.3; 710.2(3)(c); and [19 CFR 12.1209a]  
**EU REACH** Title 1 - Chapter 2 - Article 3(3)  
**GHS** Section 1.3.2.1

<b>Globally Harmonized System (GHS)</b>	GHS SDS requirements and classification criteria do not apply to articles or products (such as batteries) that have a fixed shape, which are not intended to release a chemical. The article exemption is found in Section 1.3.2.1.1 of the GHS and reads: <i>The GHS applies to pure substances and their dilute solutions and to mixtures. "Articles" as defined by the Hazard Communication Standard (29 CFR 1900.1200) of the OSHA of the USA, or by similar definition, are outside the scope of the system."</i>
<b>Joint Article Management Promotion Consortium JAMP</b>	An international standard that came into effect in March 2012 concerning declaration for electrical and electronic products. IEC 6274 replaces the defunct Joint Industry Guide – Material Declaration for Electro-technical Products (JIG-101-Ed 4.1 (May 21, 2012)
<b>IEC 62474 Ed. 1.0 B:2012 Material Declaration for Products of and for the Electro-technical Industry</b>	An international standard that came into effect in March 2012 concerning declaration for electrical and electronic products. IEC 6274 replaces the defunct Joint Industry Guide – Material Declaration for Electro-technical Products (JIG-101-Ed 4.1 (May 21, 2012)
<b>IEC 62474 Database – Publically available online (<a href="http://std.iec.ch/iec62474">http://std.iec.ch/iec62474</a>). Maintained by TC11: Environmental Standardization for electrical and electronic products and systems.</b>	The general principle for a substance to be included in the database as a declarable substance is: 1) existing national laws or regulations in an IEC member country that are relevant to Electro-technical products and that prohibit or restrict substances, or that have a labeling, communication, reporting or notification requirement, and 2) applying IEC 62474 criteria results in identification of declarable substance.

<p><b>ANSI Z 400.1/Z19.1 (2010)</b></p>	<p>2.1 Scope: Applies to preparation of SDS for hazardous chemicals used under occupational conditions. Does not address how the standard may be applied to articles. It presents basic information on how to develop and write a SDS. Additional information is provided to help comply with state and federal environmental and safety laws and regulations. Elements of the standard may be acceptable for International use.</p>
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**Further Information:**

**DISCLAIMER: This AIS is intended to provide a brief summary of our knowledge and guidance regarding the use of this article. The information contained here has been compiled from sources considered by EaglePicher Technologies, LLC to be dependable and is accurate to the best of the Company’s knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. EaglePicher Technologies, LLC assumes no responsibility for injury to the recipient or third persons or for any damage to any property resulting from misuse of the product.**