



AmpliVox Lithium Ion Battery Product Information Sheet \leq 20 Watt Hours

The products referenced herein are “articles” and “consumer products” and therefore are exempt from the 29 CFR 1910.1200 Hazard Communication requirements. The European Classification and Labelling Regulation (EC) No 1272/2008 (CLP) and the Globally Harmonized System (GHS) of Classification and Labelling of Chemicals exempt articles from the Safety Data Sheet requirements.

This Product Information Sheet is provided only as a service to our customers and is not based upon any requirement or regulation.

Product: Lithium ion batteries (Li-ion) (“Product”) Watt Hours: \leq 20

Models: See specific products listed in this document under Product Battery Information.

Edition Date: September 1, 2016

GENERAL SAFETY

This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The mixture is encapsulated in the product. Only if released due to use or processing of the product in a manner not in accordance with the product’s directions for use may it present potential health and safety hazards.

FIRST AID

Ingestion: Ingestion of a Li-ion battery is highly unlikely in the workplace, as the contents of a Li-ion battery are mostly solid, and any free liquid (ester-based electrolyte) that might drip out of a damaged battery is limited to a few drops. However, care should be taken not to touch fingers to mouth while handling a damaged battery so as to avoid any ingestion of contents. Do not induce vomiting. Wash out mouth with water. Get medical attention following potential exposure or if feeling unwell.

Inhalation: Remove individual to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if individual is feeling unwell.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing. Continue to rinse for at least 15 minutes. Get medical attention. Wash clothing before reuse.

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists.

HANDLING & STORAGE

Handling – Do not expose product to excessive physical shock or vibration. Do not disassemble. Should an individual cell in the product become ruptured, do not allow contact with water.

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Storage – Store in a cool, well ventilated area. Storage above 100 degrees can result in loss of product performance, leakage, or rust. Do not expose product to open flame.

FIRE SAFETY

In case of fire where products are stored, flood the area with water as needed to control the fire on nearby ordinary combustibles. If any products are involved, water may not extinguish them, but will cool the adjacent products and control the spread of fire. Fire fighters should wear self-contained breathing apparatus. To control/stop a thermal battery event where only the product is involved, use plentiful amounts of clean/dry sand to immediately smother the thermal reaction and reducing smoke. This is most effective, if applied to cover the battery, especially in the first few seconds of the event. CO₂, dry chemical, and foam extinguishers may also be used for small fires in areas where products are stored, but may not extinguish the involved products themselves. LITH-X (powdered graphite) or copper powder fire extinguishers, dry ground dolomite or soda ash may also be used (these materials also act as smothering agents).

DISPOSAL

All AmpliVox Lithium ion batteries are classified by the federal government as non-hazardous waste and are safe for disposal in the normal municipal waste stream. These batteries, however, do contain recyclable materials. Please call 1-800-8-BATTERY or go to the Call2Recycle website at www.call2recycle.org for additional information.

TRANSPORTATION

AmpliVox product cells have been successfully tested and comply with the UN Model Regulations, Manual of Test and Criteria, Part III, subsection 38.3. Product cells have been manufactured under a quality management program as specified in 2.9.4 of the UN Model Regulations.

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AmpliVox Product’s cells are rated at 20 Watt-hours or less and meet the requirements for transportation under:

- UN Model Regulations 18th revised edition Special Provisions 188 and 230
- International Civil Aviation Organization (ICAO) Technical Instructions and the International Air Transport Association (IATA) Dangerous Goods Regulations Packing Instructions:
 - o 965 Section IB or Section II (UN3480, Lithium ion batteries)
 - These batteries will be offered for transport at a state of charge (SOC) not exceeding 30% of their rated design capacity.
 - o 966 Section II (UN3481, Lithium ion batteries packed with equipment)
 - o 967 Section II (UN3481, Lithium ion batteries contained in equipment)
- International Maritime Organization (IMO) Special Provisions 188 and 230
- European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) Special Provisions 188 and 230
- U.S. Department of Transportation (DOT) 49 CFR 173.185 and 173.185(c)
- Canadian Transport of Dangerous Goods Regulations (TDGR) Special Provision 34

Product Battery Information

Model Number	UN Codes UN3480 Lithium Ion Batteries UN3481 Packed In/With Equipment	Number of Batteries Per Product	Watt-Hours per Battery
SB600R	UN3481	1	11.1
SB601R	UN3481	1	11.1
SB602R	UN3481	1	14.43
SB602MR	UN3481	1	14.43
S1402	UN3480	1	11.1
S1405	UN3480	1	14.43

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REGULATORY INFORMATION

If hazardous materials are present in the workplace, Material Safety Data Sheets(MSDS)/Safety Data Sheets (SDS) are required by various national and international occupational worker safety regulations. However, MSDS/SDS's are not required for articles (see 29 CFR 1910.1200(b)(6)(v)). Exceptions also apply for consumer products as defined in 29 CFR 1910.1200(b)(6)(ix). An article is defined as a manufactured item other than a fluid or particle; (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g. minute or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees.

GENERAL RECOMMENDATIONS

CAUTION: Under extreme conditions, a risk of fire, explosion and burns exists. Do not short circuit, crush, puncture, heat, incinerate or disassemble cells.