



HP Product Information Sheet:

HP-Brand Lithium Ion Rechargeable Battery Packs

PURPOSE OF THIS DOCUMENT

Hewlett-Packard Company (HP) is providing the information in this document voluntarily as a service to its customers. The products addressed in this document are generally viewed as “articles” that are exempt from requirements for Material Safety Data Sheets (**MSDSs**) such as the Hazard Communication Standard of the U.S. Occupational Safety and Health Administration (**OSHA**) and similar requirements in other countries. In particular, these products are manufactured according to a specific design, have an end-use dependent upon such design, and do not normally release more than trace amounts of hazardous chemicals.

The information in this document is not intended to be comprehensive, nor is it a substitute for the information provided by the manufacturers of the battery packs in their Product Information Sheets or similar documents. To the extent that the manufacturer’s information differs from any information in this document, the manufacturer’s information should govern. Many Product Information Sheets and similar documents provided by battery manufacturers are available on HP’s website at <http://www.hp.com/hpinfo/globalcitizenship/environment/products/msds-specs.html>

PRODUCT IDENTIFICATION

The products covered by this document are HP-branded lithium ion rechargeable battery packs designed and marketed for use with HP notebook computers, handheld devices, and printing devices.

DISPOSAL

Do not incinerate. Spent lithium ion battery packs should be disposed of or recycled in accordance with any applicable national, state/provincial, and local requirements. HP encourages the environmentally sound recycling of these batteries. HP has joined the Call2Recycle™ recycling program of the Rechargeable Battery Recycling Corporation. In the U.S. and Canada, please call 1-800-8-BATTERY or go to www.rbc.org for information on recycling your used lithium ion batteries.

TRANSPORTATION

HP-brand lithium ion battery packs are of a type that is eligible for exemption from requirements for transport as Class 9 hazardous materials or dangerous goods under most national and international regulations if certain conditions (outlined in the next paragraph) are met. According to information provided by battery manufacturers, the batteries have a lithium-equivalent content of less than 1.5 grams per cell and less than 8.0 grams per battery or battery pack, as well as a Watt-hour rating of no more than 20 Wh per cells and no more than 100 Wh per battery or battery pack. In addition, the batteries are of a type that has been demonstrated to pass each applicable test (T.1 through T.8) under the UN Manual of Tests and Criteria (ST/SG/AC.10/1 1/Rev.4), Part III, Subsection 38.3.

To qualify for exemption from Class 9 hazardous materials or dangerous goods transport requirements, certain conditions must be met. For example, Packing Instructions 965, 966, and 967 of the International Air Transport Association (IATA) Dangerous Goods Regulations, and Special Provision 188 of the International Maritime Dangerous Goods (IMDG) Code. In certain limited circumstances, such as where batteries have been damaged such that they have the potential of producing a dangerous evolution of heat, fire, or short circuit, they are forbidden from transport by air. See IATA Dangerous Goods Regulations, Packaging Instructions 965, 966, and 967

SAFETY PRECAUTIONS

CAUTION: Fire, Explosion, and Severe Burn Hazard. Do Not Crush, Disassemble, Heat Above 40°C/120°F, or Incinerate.

In case of fire, use CO₂ or dry chemical extinguishers.

Under normal condition of use, chemicals are contained in sealed assemblies. Risk of exposure may occur if the battery is physically abused. Contents of an opened battery can cause respiratory/skin/eye irritation. In the event physical damage to battery cells results in leakage of chemical contents, individuals coming in contact with those chemicals should follow these steps:

Eye contact: DO NOT RUB EYES. Immediately flush the eyes with plenty of clean water for at least 15 minutes. Seek medical treatment.

Skin contact: Wash the contact areas thoroughly with water and soap.

Inhalation: Move to fresh air immediately. Seek medical evaluation and/or treatment.

FOR ADDITIONAL INFORMATION

US DOT Pipeline and Hazardous Materials Safety Administration (PHMSA) - Batteries Final Ruling – January 14, 2009

<http://edocket.access.gpo.gov/2009/pdf/E8-31383.pdf>

IATA Guidance Document – Transport of Lithium Metal and Lithium Ion Batteries – 2011

http://www.iata.org/whatwedo/cargo/dangerous_goods/Documents/Guidance%20Document%20on%20the%20Transport%20of%20Li-Batt_2011.pdf

Product Information Sheets, MSDSs, and similar documents for batteries used in HP products

As previously noted, HP is not required to provide MSDS documents for articles such as lithium ion rechargeable battery packs. However, as a service to our customers, HP voluntarily makes available Product Information Sheets and similar documents provided by battery manufacturers at the link below.

<http://www.hp.com/hpinfo/globalcitizenship/environment/products/msds-specs.html>

DISCLAIMER

This document is provided without charge to customers of HP and its subsidiaries. It is based on information provided to HP by the independent manufacturers of the products. HP has not independently assessed the information provided by the manufacturers, and neither endorses nor guarantees the accuracy or completeness of any of the information contained herein. This document should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application.

ISSUE DATE

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