# RIXUS

## Product Safety Information Sheet

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| **Product Name** | Rixus RXPB02B Digital Display Powerbank (Black) | **Issue Date** | 12 February 2025 |
| **Product Type** | High-Capacity Portable Energy Storage | **Document Status** | Commercial Article / Regulatory Reference |

**Regulatory Compliance & Air Transit Note**

This document is provided voluntarily to assist logistics partners, retailers, and safety inspectors. Under the EU REACH regulation and GHS guidelines, this product is classified as an "article" and does not require a chemical Material Safety Data Sheet. However, due to its significant battery capacity (20,000 mAh / 74 Wh), strict compliance with UN3480/UN3481 transit provisions is required.

## 1. Identification of the Product & Manufacturer

**Product Name:** Rixus RXPB02B Digital Display Powerbank 20.000mAh with USB-C cable built-in - Black

**Description:** Portable external power bank featuring an integrated digital status screen, built-in USB-C charging cord, and high-density electrical energy storage cells.

**Manufacturer / Brand:** Rixus

**Online Reference:** rixus.eu

## 2. Composition / Information on Ingredients

The device features an impact-resistant outer shell housing heavy-duty chemical energy matrices:

- **Chassis Enclosure:** Fire-retardant Polycarbonate (PC) and Acrylonitrile Butadiene Styrene (ABS) composite.
- **Internal Battery Cell:** Sealed Lithium-Polymer (Li-Po) / Lithium-ion cell block.
- **Electrical Specifications:** Nominal Cell Capacity: 20,000 mAh (3.7V) / Total Energy Rating: 74 Wh.

*Note: Hazardous chemical reagents (Lithium transition metal oxides and organic volatile electrolytes) are hermetically sealed behind a multi-layered protective casing. No chemical hazard exists under standard operational parameters.*

## 3. Hazards Identification

**General Overview:** The closed unit presents zero hazard profile risks for daily consumer routines. It does not pose an inhalation, ingestion, or dermal threat unless physically breached.

**Thermal & Electrical Hazards:** High energy density cells. If subjected to extreme external heating (>60°C), mechanical deformation, piercing puncture, or direct terminal short-circuits, the internal assembly can go into thermal runaway, presenting risks of gas venting, heavy smoke discharge, or violent ignition.

## 4. First Aid Measures

These emergency measures apply strictly if the power bank's exterior casing is completely destroyed, leading to direct exposure to chemical contents:

- **Skin Exposure:** Strip away compromised garments immediately. Wash affected skin areas thoroughly with large amounts of soap and fresh water.
- **Eye Ingress:** Immediately hold the eyes open and rinse using heavy running water streams for a minimum of 15 minutes. Secure expert medical evaluation without delay.
- **Inhalation of Venting Smoke:** Swiftly evacuate the person to fresh air zones. If respiration is disrupted or becomes difficult, seek professional medical attention.

## 5. Fire-Fighting Measures

**Fire Suppression Media:** Use massive amounts of cold water or a Class D dry powder fire extinguisher to suppress open cell combustion. Standard dry chemical or CO2 extinguishers are effective for early control or cooling peripheral areas.

**Special Fire Fighting Procedures:** Apply deep water cooling continuously to lower the temperature of the internal cell clusters and prevent adjacent cells from reaching thermal runaway thresholds. Firefighters must wear full protective gear and self-contained breathing apparatus (SCBA).

## 6. Handling and Storage

- **Handling:** Handle with care. Avoid heavy impacts, drops, or applying concentrated physical pressure. Do not charge using incompatible or damaged voltage/current adapters that exceed the product's maximum rated inputs.
- **Storage:** Keep storage areas cool, dry, and clean. Avoid proximity to heat conductors, high-humidity rooms, or flammable materials. Optimal storage temperatures: 10°C to 30°C. Maintain the unit at roughly 40-60% charge for long-term warehousing.

## 7. Transport Information

The RXPB02B power bank is subject to international shipping regulations because its total energy storage capacity is 74 Wh:

- **UN Number:** UN 3480 (When shipped as standalone units) / UN 3481 (If shipped packaged with or inside supplementary equipment).
- **Proper Shipping Name:** Lithium ion batteries
- **Transport Class:** Class 9 Dangerous Goods.
- **Air Travel / Commercial Flight Limits:** Since the energy output is **74 Wh** (which falls safely below the international aviation threshold limit of 100 Wh), the power bank is generally permitted in airline carry-on luggage under IATA provisions. It is strictly prohibited from being packed inside checked aircraft cargo holds.

## 8. Disposal Considerations

This item must never be discarded alongside regular urban municipal or household waste streams. The power bank contains heavy-duty lithium polymer elements that must be recovered through designated processes. Deliver used units exclusively to dedicated e-waste handling stations or certified collection facilities to ensure compliance with the European Union WEEE and Battery Directives.