

Material Safety Data Sheet

Product data

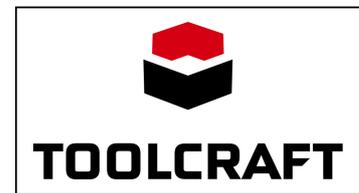
Product	Lilon Battery Pack
Manufacturer:	Conrad Electronic SE
Model:	B2033L
Nominal capacity:	1300 mAh
Nominal voltage:	18 V
Address:	Klaus-Conrad-Strasse 1, D-92242 Hirschau
Telephone:	+ 49 9604408833
Date of issue:	01.02.2012

Other Specifications:

Intended use:	Rechargeable battery for electric power tools
Rated energy:	80 Wh
Number of cells	5
Storage temperature:	-20 to +35 °C
Optimum preservation of functionality:	+10 to +20 °C
Weight:	380 g
Device classification / legal basis:	<p>Within the territory of the EU, at a minimum, the battery is subject to the following EU directives / regulations in the respectively current version and the national regulations enacted in this regard:</p> <ul style="list-style-type: none"> - Directive on General Product Safety 2001/95/EC - Batteries and Accumulators Directive 2006/66EC - REACH regulation (EC) No. 1907/2006 <p>With regard to the obligations to provide information pursuant to Article 33 of the REACH regulation.</p>

Certificates / Markings / Standards

CE marking / Safety requirements	At present, the battery is not subject to any regulation that requires a CE marking. The cell was tested and certified in accordance with IEC/EN 62133 : 2003.
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Important Safety Information

WARNING:

- Do not open the battery, disassemble it or allow it to fall from a substantial height.
- Protect the battery against short-circuiting – danger of explosion!
- Protect the battery against rain, do not immerse in liquids – danger of short-circuiting
- Protect the battery against direct sunlight, heat and fire.
- Do not incinerate the battery – danger of explosion!
- Do not use defective or deformed batteries.
- Use only original Durofix chargers to charge the battery.

Hazards

- Caustic liquid may escape from damaged batteries. Avoid contact.
- Contact can cause skin irritation, burns and chemical burns.
- If liquid comes into contact with the eyes, seek medical attention.
- Avoid inhaling any vapors formed or released – caustic.

Measures

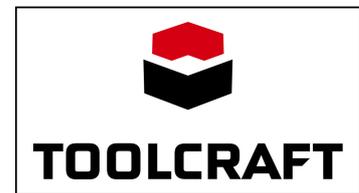
In the event of contact with released electrolyte or electrolyte vapors

- Eye contact: flush eyes for at least 15 minutes with plenty of clean water without rubbing eyes and consult a physician.
- Skin contact: wash affected areas of skin with plenty of water and soap; if irritation persists, consult a physician.
- Inhalation: provide fresh air or administer oxygen immediately and consult a physician.
- Ingestion: if electrolyte has been ingested, consult a physician immediately.
- Disposal: Wear protective gear, wipe up with absorbent textile and dispose of as hazardous waste at collection points for hazardous waste according to national regulations.
- In case of fire: Keep clear of vapors and gases generated, take wind direction into consideration. If possible without danger, remove batteries from the vicinity of the fire. In principle, cooling or extinguishing with water is possible, but should only be done by trained personnel with sufficiently large quantities of water.

Storage

Insert the battery in the machine only when it is in use; always remove the battery from the machine for transport and when it is not in use.

- Storage temperature range: -20 to +35 °C (Temperatures must not exceed +50 °C!)
- Relative humidity range: 45 to 85 %
- Optimum preservation of functionality: +10 to +20 °C (charge state 2 LEDs green)



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Transport Road / Rail / Sea / Air (ADR/RID/ IMDG /IATA)

Transport according to laws on hazardous goods:

Road / Rail

Battery (alone) UN 3480 Lithium ion batteries, 9, II, (E)

Batteries (packed with machine) UN 3481 Lithium ion batteries, packed with equipment, 9, II, (E)

Packaging order P903

Special provisions SV 230 Transport requirements

SV 188 Possible exemptions

SV 636 Transportation of used batteries

Further exemptions E0 not possible

LQ0 not possible

Sea transport

Battery (alone) UN 3480 Lithium ion batteries, 9, II

Batteries (packed with machine) UN 3481 Lithium ion batteries, packed with equipment, 9, II

Packaging order P903

Special provisions SV 230 Transport requirements

SV 188 Possible exemptions

Further exemptions E0 not possible

LQ0 not possible

Air transport

Battery (alone) UN 3480 Lithium ion batteries, 9, II

Batteries (packed with machine) UN 3481 Lithium ion batteries, packed with equipment, 9, II

Packaging order P965 Part 2 (alone)

P966 Part 2 (packed with equipment)

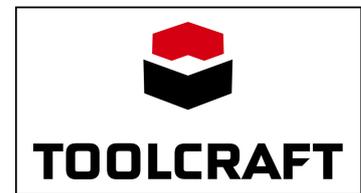
Exemptions P965 Part 1 (alone)

P966 Part 1 (packed with equipment)

E0 not possible

Please note individual national regulations as well as exceptions on the basis of national adoption of multilateral agreements.

North American Emergency Transportation Information: 1-800-535-5053



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Distributor take-back / Disposal

On the basis of the Battery Directive, the manufacturers take responsibility for financing collection, treatment and recycling of batteries used in devices.

To this end, batteries must be handed over for disposal to the collection systems established for this under national law.

Disposal of batteries together with household waste is prohibited; batteries must be collected separately according to type.

Return the battery free of charge to your servicing dealer for disposal or hand it over to an appropriate public collection point.

IMPORTANT:

Only batteries that have been discharged so that there is no voltage present at the external contacts can be returned. Batteries that are only partially discharged must be returned protected against short-circuiting.

Miscellaneous

Independent laboratory tests have established that the battery cases do not contain any PAHs and that the electronic components comply with the RoHS standards (Directive 2002/95/EC of 27 January 2003) (no Hg, Cd, Pb or Cr).

The information in this data sheet does not constitute guaranteed product properties, but instead is furnished solely as a courtesy to the user. It is believed to be accurate on the basis of the currently valid regulations.