

MATERIAL SAFETY DATA SHEET

Huskie Tools BP-84

Huskie Tools Inc 198 North Brandon Dr. Glendale Heights, IL 60139 630-893-7755	For Chemical emergency Spill, Leak, Fire, Exposure, or Accident CALL Huskie Tools Inc. 800-860-6170
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1. Product Identification

Product Name: BP-84

Model: 14.8V 4000mAh

Chemical System: Lithium Ion

Designated for Recharge: Yes No

2. Composition / Information on Ingredients

IMPORTANT NOTE: The battery cell should not be opened or exposed to heat because exposure to the following ingredients contained within could be harmful under some circumstances.

Chemical Name	CAS No.	PEL	TLV
Dimethyl Carbonate	(CAS No. 616-38-6)	none established	none established
Ethylene Carbonate	(CAS No. 96-49-1)	none established	none established
Lithium Hexafluorophosphate	(CAS No 21324-40-3)	none established	non established
Propylene Carbonate	(CAS No. 108-32-7)	none established	none established

3. Physical Data

Physical phase : Solid

Color : Contents silver in color. Odor : None

Boiling point/boiling range : NA °C Melting point : NA °C

PH value : NA Decomposition temperature : NA °C

Flash point : NA °C Test method : Open cup Close cup

Ignition temperature : NA °C Explosion limits (LEL) NA % (UEL) NA %

Vapor pressure : 1.1-1.3 kPa @ 20oC Vapor density : 3.5

Relative Density : 1.2 kg/litre Solubility : Miscible in water

4. Fire and Explosion Hazard Data

Extinguishing Media:	Water
Flammable Limits:	Not available
Special Fire Fighting Procedure:	In case of fire in an adjacent area, use water, CO ₂ or dry chemical extinguishers if cells are packed in their original containers since the fuel of the fire are basically paper products. For bulk quantity of unpackaged cells use LITH-X (Graphite Base). In this case do not use water.

5. Reactivity Data

Stability:	Stable
Conditions to Avoid:	Do not heat, disassemble or overcharge.
Hazardous Decomposition or By products:	N/A
Hazardous polymerization will not occur.	

6. Health Hazard Data

Routes of Entry:	Inhalation	Yes
	Skin	Yes
	Ingestion	Yes

Health Hazards (Acute and Chronic):

These chemicals are contained in a sealed can. Risk of exposure occurs only if the battery is mechanically or electrically abused. The most likely risk is an acute exposure when the gas release vent works. Organic solvent has slight toxicity and can irritate skin and eyes. Lithium salt is irritating to skin, eyes and mucous membranes and should be avoided.

Carcinogenicity:

NTP: None

IARC Monograph: None

OSHA Regulated: None

Medical Conditions Generally Aggravated by Exposure:

An acute exposure will not generally aggravate any medical condition.

Emergency and First Aid Procedures:

In case of skin contact with contents of battery, flush immediately with water. For eye contact, flush with copious amounts of water for 15 minutes. Do not inhale leaked material. If irritation persists, get medical help.

7. Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

The preferred response is to leave the area and allow the batteries to cool and the vapors to dissipate.

Avoid skin and eye contact or inhalation of vapors. Remove spilled liquid with absorbent and incinerate.

Waste Disposal Method:

Dispose in accordance with appropriate regulations. Open cells should be treated as hazardous waste.

Precautions to be Taken in Handling and Storing:

Avoid mechanical or electrical abuse.

Other Precautions:

Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.

8. Control Measure

Respiratory Protection (Specify Type): Not necessary under conditions of normal use.

Ventilation: Not necessary under conditions of normal use.

Protective Gloves: Not necessary under conditions of normal use.

Eye Protection: Not necessary under conditions of normal use.

Other Protective Clothing or Equipment: Not necessary under conditions of normal use.

9. Recycling and Disposal

Huskie Tools Inc encourages battery recycling. Lithium ion batteries are safe for disposal in the normal municipal waste stream since they are not defined by the federal government as hazardous waste. However, lithium ion batteries are recyclable. **DO NOT INCINERATE** or subject battery cells to temperatures in excess of 212°F. Such treatment can cause cell rupture.

10. Transportation

The Lithium-ion battery has been tested under provisions of the UN Manual of Tests and Criteria, the battery is passed the UN 38.3 test, Part III, sub-section 38.3(withstanding a 1.2m drop test) and are classified as non-dangerous goods for ground transportation.

Lithium-ion batteries can be treated as "Non-dangerous goods" under the United Nations Recommendations on the Transport of Dangerous Goods, Special Provision 188, provided that packaging is strong and prevent the products from short-circuit for ground transportation.

The Li-ion battery packaging complies with UN3480 Section II of PI965 (56th Edition - 2015).

With regard to air transport, the following regulations are cited and considered:

- The International Civil Aviation Organization(ICAO) Technical Instructions.
- The International Air transport Association (IATA) Dangerous Goods Regulations.
- The International Maritime Dangerous Goods (IMDG) Code.
- The US Hazardous Materials Regulation (HMR) pursuant to a final rule issued by RSPA
- The Office of Hazardous Materials Safety within the US Department of Transportations' (DOT) Research and Special Programs Administration (RSPA).

11. Special Provisions

In the event that the package has been damaged the shipment should be held for additional instructions on how the product should be repackaged prior to shipment. Contact Huskie Tools Inc at 630-893-7755.