

Material Safety Data Sheet

Nickel Cadmium

Cylindrical Cells (OEM)

Types:
 Chemical system:
 Voltage:

Series RS, RSH, RSE, RST, RSQ
 NiOOH / KOH / Cd - Rechargeable
 1.2 V

1. Type, Capacity and Weight

Series	Cell Type	Typical Capacity [mAh]	Weight [g]
RS ...	520 RS	570	19
	600 RS	680	24
RSH ...	RSH 1.3	1400	50
	RSH 2	2200	75
	RSH 4	4600	147
	RSH 7	7800	237
			11.5
RSE ...	260 RSE	300	24
	700 RSE	775	32
	1400 RSE	1500	55
	RSE 1.7	1750	70
	RSE 2.4	2600	155
	RSE 5	5500	8
			24
RST ...	100 RST	100	50
	500 RST	575	67
	RST 1.2	1400	147
	RST 1.8	2000	237
	RST 4	4500	52
	RST 7	7300	52
			165
RSQ ...	RSQ 1.2	1500	52
	RSQ 1.4	1600	52
	RSQ 4	4600	165

2. Ingredients

Material	Approx. percentage of total weight [%]
Nickelhydroxide, Ni (OH) ₂	11 - 13.5
Nickel, metallic, Ni	10 - 27
Cadmium, metallic (calculated), Cd	20 - 21
Electrolyte (KOH/NaOH/LiOH)	9.5 - 12.5

Components firmly sealed within Ni-plated steel case.

3. Safety Guideline

- 3.1 Keep out of the reach of children. If swallowed, contact a physician at once.
- 3.2 In case leaked electrolyte adheres to skin, it may damage skin.
- 3.3 Released or spilled electrolyte shall be washed out by water to prevent damage of skin or eyes by electrolyte. Contact a physician at once.
- 3.4 Incineration, short circuit or unusual high current charge or reverse charge may cause fire or rupture and must be avoided.
- 3.5 Do not disassemble cells.
- 3.6 Do not solder on cell directly.
- 3.7 Battery compartment should provide air ventilation.
- 3.8 Do not short circuit, may cause burns.
- 3.9 Do not handle out of specification.
- 3.10 Battery of different electrochemical system, grades, or brands should not be mixed.
- 3.11 Waste batteries shall be disposed in accordance with appropriate regulations.
- 3.12 Extinguishing media: water, CO₂, sand
- 3.13 Cells operated beyond the limits of use given by the manufacturer's instructions may disrupt and release either gas (H₂/O₂) with explosive force and/or Electrolyte.
- 3.14 Defect and/or exhausted Ni-Cd batteries shall be collected and submitted for recycling. No disposal by throwing into open fire or into rubbish of household.