VARTA
THE BATTERY EXPERTS

MATERIAL DATA SHEET

Types : V15H, V40H, V80H, V65HT, V110HT, V150H, V200H, V250H, CP300H, V300H, V350H

Chemical system : NiOOH | KOH | MH - Rechargeable Date: 2002-02-11

Voltage : 1.2V

1. TYPE, CAPACITY AND WEIGHT

Cell Type	Typical Capacity (mAh)	Weight (g)
V15H	16	1.3
V40H	43	1.7
V80H	80	4
V65HT	70	4
V110HT	120	6
V150H	150	6
V200H	220	7
V250H	250	10
CP300H	300	11
V350H	380	13

2. INGREDIENTS

		Approx. percentage (%) of total weight
Active materials*	- Nickel hydroxide - Ni(OH)2 - Hydrogen storage mischmetal alloy - Potassium hydroxide - KOH	10 10 - 11 8
Passive materials*	- Steel - Metallic nickel - Plastic	40 - 50 20 - 25 3
	Mercury content - Hg < 0.1 mg/kg Cadmium content - Cd < 5 mg/kg Lead content - Pb < 15 mg/kg	

* All cell types are sealed button cells, no chemical hazard will be posed as long as the cell remains in sealed condition.

3. SAFETY GUIDELINE

3.1 Keep out of the reach of children. If swallowed, contact a physician at once.
3.2 Do not incinerate or mutilate, may burst or release toxic materials.
3.3 Do not short circuit, may cause burns.
3.4 Do not solder the battery directly.
3.5 Restrict charging current and time to the recommended value.
3.6 Observe charging temperature: 0 to +65°C.
3.7 Battery compartment should provide sufficient space for battery to expand in case of abuse.
3.8 Either battery compartment or battery connector should have a design that makes it impossible to place the battery in reverse polarity.
3.9 Equipment intended for use by children should have tamper-proof battery compartment.
3.10 Battery of different electrochemical system, grades, or brands should not be mixed.
3.11 Battery disposal method should be in accordance with local and state regulations.

4. V15H, V40H, V80H, V110HT, V150H, V200H, V250H, V350H and CP300H are UL recognized components: category BBET2, file no. MH13654.

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