

SECTION 1 - IDENTIFICATION

PRODUCT (TRADE) NAME: NiCad Battery

CHEMICAL FAMILY:

SUPPLIER: OMEGA ENGINEERING INC. PO BOX 4047 STAMFORD, CT 06907 DATE PREPARED: 1/28/92 SUPERSEDES:

TELEPHONE: (203) 359-1660

SECTION 2 - PRODUCT IDENTIFICATION

Types: V30R, V60R, V100R (110mAh), V110R, V140R, V170R, V250R, V280R V60RT, V100RT, V289RT V500RH CP280

Chemical system: NiOOH | KOH | Cd - Rechargeable

Voltage: 1.2V

SECTION 3 - TYPE, CAPACITY AND WEIGHT

Cell type	IEC code	Typical capacity (mAh)	Weight (g)
	KBL 116/005	35	1.7
V30R	KBL 156/061	65	4
V60R	NDL 100/001	120	6
V100R (110mAh)		120	6
V110R		155	9.5
V140R	KBL 252/061	190	10
V170R	KBL 252/067	270	11
V250R V280R	KBL 252/081 KBL 252/091	300	13
		60	4
V60RT	KBL 156/061	100	6
V100RT V280RT		280	13
V500RH	KBM 346/100	550	27
CP280	KBL 252/076	300	12



SECTION 4 - INGREDIENTS

		Approximate percentage(%) of total weight
Active materials*	- Nickel hydroxide - Ni(OH)2 - Cadmium hydroxide - Cd(OH)2 - Potassium hydroxide - KOH	10 15–25 6–41
Passive materials	- Steel - Metallic nickel - Plastic	35–50 15–20 2

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

SECTION 5 - SAFETY GUIDELINES

- Keep out of the reach of children. If swallowed, contact a physician at once. 5.1
- Do not incinerate or mutilate --- may burst or release toxic materials. 5.2
- Do not short circuit may cause burns. 5.3
- Do not solder the battery directly. 5.4
- Restrict charging current and time to the recommended value. 5.5
- recommended: +10 to +33°C Observe charging temperature --- for V...R, V...RH, and CP range: 0 to +45°C 5.6 permissible:

for V...RT range: 0 to +65°C

- Battery compartment should provide sufficient space for battery to expand in case of abuse.
- Either battery compartment or battery connector should have a design that makes it impossible to place 5.7 5.8 the battery in reverse polarity.
- Equipment intended for use by children should have tamper-proof battery compartment.
- Battery of different electrochemical systems, grades, or brands should not be mixed. 5.9
- Battery disposal method should be in accordance with local and state regulations. 5.10
- 5.11

SECTION 6 - MISCELLANEOUS DATA

- All cell types conform to the requirements of IEC Standard 509.
- All cell types are UL recognized components: category BBET2, file no. MH14209(N). (pending for V500RH and CP280).

The information contained herein is based upon data considered true and accurate. However, OMEGA makes no warranties, express or implied, as to the accuracy or adequacy of the Information contained herein or the results to be obtained from the use thereof. This information is offered solely for the user's consideration, investigation and verification. Since the use and conditions of use of this information and the material described herein are not within the control of OMEGA, OMEGA assumes no responsibility for injury to the user or third persons. The material described herein is sold only pursuant to OMEGA's Terms and Conditions of Sale, including those limiting warranties and remedies contained therein, it is the responsibility of the user to determine whether any use of this data and information is in accordance with applicable federal, state or local laws and regulations.

© 1993 OMEGA ENGINEERING, INC. ALL RIGHTS RESERVED. PRINTED IN U.S.A.