

Material Safety Data Sheet

Section 1: Information of Manufacturer

Product name: Alkaline zinc-manganese dioxide batteries

Product designation: LR20

Nominal Voltage: 1.5V

Chemical system: Zinc/ Manganese Dioxide

Designed for recharge: Yes No√

Company name: Zhongyin (Ningbo) Battery Co., Ltd.

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Section 2: Hazardous Ingredients / Identity Information

MATERIALS	CAS#	APPROXIMATE PERCENT OF TOTAL WEIGHT (~%)
Manganese Dioxide (MnO ₂)	1313-13-9	41.8
Zinc (Zn)	7440-66-6	17.4
Water (H ₂ O)	7732-18-5	11.1
Potassium Hydroxide (KOH)	1310-58-3	7.0
Graphite	7782-42-5	3.4
Brass	12597-71-6	0.8
Steel	7439-89-6	16.3
Ni-plating	7440-02-0	0.2
Nylon-66	None	1.4
Fiber	None	0.6

IMPURITY	CAS#	APPROXIMATE PERCENT OF TOTAL WEIGHT (~%)
Mercury (Hg)	7439-97-6	≤0.0001
Lead (Pb)	7439-92-1	≤0.0040
Cadmium (Cd)	7440-43-9	≤0.0020
Arsenic (As)	7440-38-2	≤0.0001