

Safety Data Sheet

Edition: 2020-01-15 / Version: 18

1. IDENTIFICATION

Alkaline-Batteries Sizes all

 VARTA Consumer Batteries
 Alfred-Krupp-Str. 9 73479 Ellwangen/Germany

 GmbH & Co. KGaA
 Phone ++49 (0) 7961 / 83-0

 Fax ++49 (0) 800 / 8278274

Emergency Telephone Number: ++49 (0) 911 / 65372260

2. HAZARDS IDENTIFICATION

Note: The batteries described in this Safety Data Sheet are sealed and are not

harmful, as long as they are used in compliance with the manufacturer instructions. The content of the battery housing does not create a hazard, as long as the integrity of the battery housing is not affected by abuse (mechanicel, thermal, electrical). Fire, explosion and severe, burn hazard

in such abuse conditions may occur.

Warning: Do not charge, short circuit, puncture, deform, disassemble, heat above

85 °C, incinerate or expose contents to water. Keep batteries away from small children. International Standard IEC 60086-5 contains more

detailed information on safety of alkaline batteries.

GHS Classification: N/A

3. COMPOSITION / INFORMATION on INGREDIENTS

Substance	Approximate percent of total weight
Manganese Dioxide (MnO ₂) Zinc (Zn) Graphite (C) Potassium Hydroxide (KOH) Steel Zinc Oxide (ZnO) Water, paper, plastic (Polyamide, Teflon), other	24 - 43 9 - 18 2 - 5 3 - 8 14 - 26 < 0.5 balance
Mercury (Hg) Lead (Pb) Cadmium (Cd)	0.00003 0.0001 - 0.003 0.00002

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4. FIRST AID MEASURES

Contact to internal Battery content:

Skin: Immediately flush with plenty of water for at least 15 minutes.

If symptoms are present after flushing, get medical attention.

Eyes: Immediately flush with plenty of water for at least 15 minutes

and get medical attention.

Respiratory Leave are

system: of the

Leave area immediately. With large quantities and irritation

of the respiratory tract get medical attention.

▶ Ingestion: Rinse mouth and sorrounding area with water.

Seek for immediate medical attention.

5. FIRE - FIGHTING MEASURES

A. Extinguishing Media:

- Copious amounts of water is an effective extinguishing medium for alkaline batteries.
- Dry chemical type extinguishers may also be used.

B. Fire Fighting Procedures:

 Use a positive pressure self-contained breathing apparatus if batteries are involved in a fire.

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6. ACCIDENTAL RELEASE MEASURES

When the battery housing is damaged, small amounts of electrolyte may leak. Seal battery air tight in a plastic bag, adding some dry sand, chalk (CaCO₃) or lime (CaO) powder or Vermiculite. Electrolyte traces may be wiped off dryly using household paper. Rinse with water afterwards.

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7.	HANDLING AND STO	RAGE	
	► Do not allow te	rminals to short-circuit.	
	► Storage preferably in a cool (below 30 °C), dry area that is subject to little temperature change.		
		ear heating equipment, nor expose to direct sunlight for long ted temperatures can result in reduced battery service life.	
8.	EXPOSURE CONTRO	LS / PERSONAL PROTECTION	
	Respiratory eqipment: Hand protection:	None required under normal use conditions. None required under normal use conditions. Use butyl gloves when handling leaking batteries.	
	Eye protection:	None required under normal use conditions. Wear safety glasses when handling leaking batteries.	
9.	PHYSICAL AND CHE	MICAL PROPERTIES	
	Geometric solid objects	S.	
10.	STABILITY AND REA	CTIVITY	
	May rupture violently w	hen heated above 100 °C or when charged.	
11.	TOXIOLOGICAL INFO	PRMATION	

Not applicable.

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12.	ECOLOGICAL INFORMATION
	Not applicable.
13.	DISPOSAL CONSIDERATIONS
	In accordance with appropriate national regulations (2006/66/EC).
	досогашно тип орргориям надагането (2000/00/20).
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14.	TRANSPORT INFORMATION
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	Alkaline batteries, which we supply to our customers are not subject to dangerous goods transport regulations due to following regulations:
	Air transport: IATA Dangerous Goods Regulations 61st Edition, special provision A123 The shipping documents contain "Not restricted, as per Special Provision A123"in the airwaybill (8.2.6 IATA-DGR)
	Sea transport: IMDG Code 39. Amendment Road and rail transport: ADR/RID 2019 (not restricted toADR/RID)
	All of these batteries are carefully packed and provide appropriate protection for
	prevention of short circuits.
15.	REGULATORY INFORMATION
	Not applicable.
	пот аррисаме.
16.	OTHER INFORMATION
	For alkaline batteries in general, Safety standard IEC 60086-5 applies.
	It contains detailed recommendations for manufactures of equipment and users.

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