

Formerly known as MSDS/PSDS document for Shippers

This Article Information Sheet (AIS) provides relevant battery information to retailers, consumers, OEMs and others users requesting a GHS-compliant SDS. Articles, such as batteries, are exempt from GHS SDS classification criteria. The GHS criteria is not designed or intended to be used to classify the physical, health and environmental hazards of an article. Branded consumer batteries are defined as electro-technical devices. The design, safety, manufacture, and qualification of branded consumer batteries follow ANSI and IEC battery standards. This document is based on principles set forth in the following hazard communication approaches: ANSI Z-400.1, GHS, JAMP AIS, and IEC 62474.

1. Document Information				
Document Name	Duracell Alkaline Batteries (Major and Specialty Cells)			
Document ID	AIS-ALK			
Issue Date	1-May-15			
Preparer	Product Safety & Regulatory			
Last Revision	7/22/2016			
Information Contact	moquet.l@duracell.com			
2. Company Information				
Name & Address	Duracell US Operations, Inc., 14 Research Drive, Bethel, CT USA 06801			
Telephone	(203) 796- 4430			
Website	www.duracell. com			
Consumer Relations	North America: 1-800-551-2355 (9:00 AM - 5:00 PM EST)			
3. Article Information				
Description	Duracell branded consum	ner alkaline hattery		
Product Category	Duracell branded consumer alkaline battery Electro-technical device			
Use	Portable power source for electronic devices			
Global sub-brands (Retail)	· ·		asic TurhoMay	
Global sub-brands (Retail)	Coppertop, Plus, Quantum, Simply, Turbo, Ultra, Basic, TurboMax Procell, Industrial, OEM/OEA			
Major Cells - Sizes/Part Numbers	(AA) MN/MX 1500; (AAA) MN/MX 2400; (AAAA) MN/MX 2500; (C) MN/MX 1400; (D) MN/MX			
iviajor cens - Sizes/r art ivambers	1300; (9V) MN/MX1604) WIN, WIX 2400, (AAAA) W	114/14/14 2500, (C) 14/14/14/1	X 1400, (D) WIN, WIX
Specialty Cells - Sizes/Part Numbers		N175, PX76 (LR44), PX28,	DV635 (LD00) LD43 LD4	54 N I 45V 625A
Specialty Cells - Sizes/ Fait Numbers	IVIIVII, IVIIVZI, IVIIVZ/, IVII	N173, FX70 (LN44), FX20,	FA023, (LN03), LN43, LN	04, N, J, 4.5V, 025A
Lautania Bart Norda	NANIOOO NANIOOO NANIOAE	NANIO40, NANI4202		
Lanterns - Part Numbers	MN903, MN908, MN915, MN918; MN1203			
Principles of Operation	A battery powers a device by converting stored chemical energy into electrical energy.			
Representative Product Images		57		
		Outries		
		Summille S	\$ 2	
	VRACE DURACE	OCELL CELL ONBAGO ONBAG	JRACI	
	F F F DURACELL		Ë	
	Maior Cells	Maior Cells	Lantern	Specialty
4. Article Construction				
Applicable Battery Industry Standards	ANSI C18 1M Part 1 ANS	I C18 1M Part 2 ANSI C18	3.4 JEC 60086-1 JEC 600	86-2 JEC 60086-5
Applicable Battery madstry Standards	ANDI CIO.IIVI I di C I, AND	1 C10.11VI 1 art 2, Artsi C10	5.4, ILC 00000 1, ILC 000	00 2, 120 00000 3
Electro-technical System	Alkaline Manganese Dioxide			
Electrode - Negative	Zinc (CAS # 7440-66-6); 10-25%			
Electrode - Positive	Manganese Dioxide (CAS # 1313-13-9); 35-40%			
Electrolyte				
Materials of Construction - Can	Alkali Metal Hydroxide (aqueous potassium hydroxide - CAS # 1310-58-3); 5-10%			
iviaterials of Construction - Can	Nickel Plated Steel			
Declarable Substances	None			
(IEC 62474 Criteria 1)				
Mercury Free Battery	Yes			
(ANSI C18.4M <5ppm)				
Small Cell or Battery	Sizes: AAA and Specialty Cells fit inside a specially designed test cylinder 2.25 inches (57.1mm)			
(ANSI C18.1M Part 2; IEC 60086-5)	long by 1.25 inches (31.70 mm) wide.			

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USA EPA RCRA (40 CFR 261)	Classified as non-hazardous waste (not ignitable, corrosive, reactive or toxic). Federal Universal Waste Regulations (40 CFR 273) do not apply. State requirements may be more stringent than Federal.	
California Universal Waste Rule (Cal.	California prohibits disposal of batteries as trash (including household trash).	
Code Regs. Title 22, Div. 4.5, Ch. 23)		
9. Transport Information (GHS Section	14)	
Regulatory Status	Not regulated. Alkaline batteries (sometimes referred to as "Dry Cell" or "household" batteries) are not listed or regulated as dangerous goods under IATA Dangerous Goods Regulations, ICAO Technical Instructions, IMDG Code, UN Model Regulations, U.S. Hazardous Materials Regulations (49 CFR), and UNECE ADR.	
UN Identification Number/ Shipping Name	None - Not Required	
Special Provision (SP) Conformance	Special regulatory provisions require batteries to be packaged in a manner that prevents the generation of a dangerous quantity of heat and short circuits. Shippers can prepare batteries by taping the terminals, individually packaging batteries, or otherwise segregating the batteries to prevent risk of creating a short circuit. Batteries shipped in original unopened Duracell packaging is compliant.	
US DOT SP	49 CFR 172.102 Special Provision 130	
Air Transport (IATA/ICAO) SP	Special Provision A123 (57th Edition - 2016). NOTE: The words "NOT RESTRICTED" and "SPECIAL PROVISION A123" must be included on the description of the substance on the Air Waybill, when air way-bill is issued.	
International Maritime Dangerous	Not regulated/No requirements	
Goods (IMDG)		
Passenger Air Travel	No restrictions	
Emergency Transportation Hotline	CHEMTREC 24-Hour Emergency Response Hotline Within the United States call +703-527-3887 Outside the United States, call +1 703-527-3887 (Collect)	
10. Regulatory Information (GHS Sect	on 15)	
10a. Battery Requirements		
USA EPA Mercury Containing & Rechargeable Battery Management Act of 1996	During the manufacturing process, no mercury is added.	
EU Battery Directive 2006/66/EC & amendment 2013/56/EU	Compliant with marking and substance restrictions for mercury (<0.0005%); cadmium (<0.0020%)I and lead (<0.0040%). Global labels are marked with the special collection symbol and the EU qualifier in accordance with EU Battery Directive 2006/66/EC, Article 11, Paragraph 1 on batteries and accumulators and waste batteries and accumulators (Annex II).	
P.R.C. Provision on Mercury Content Limitation for Batteries (GB 8897.5- 2005, MOD, Section 9.1(e))	无汞	
P.R.C Mercury Free Battery (GB 24427-2009) < 1 ppm	Yes	
10b. General Requirements USA CPSIA 2008 (PL. 11900314)	Exempt	
USA CPSC FHSA (16 CFR 1500)	Consumer batteries are not listed as a hazardous product.	
USA EPA TSCA Section 13 (40 CFR 707.20)	For customs clearance purpose, batteries are defined as an "Article".	
USA EPA RCRA (40 CFR 261)	Classified as non-hazardous waste (not ignitable, corrosive, reactive or toxic). Federal Universal Waste Regulations (40 CFR 273) do not apply. State requirements may be more stringent than Federal.	

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California Prop 65	No warning required per 3rd party assessment.		
CANADA Products Containing	Mercury free		
Mercury Regulations SOR/20140254			
EU REACH SVHC's (169 Substances)	No listed substances are present (>0.01% w/w)		
Candidate List June 2016)			
EU REACH Article 31	SDS is not required consumer alkaline batteries.		
10c. Regulatory Definitions - Articles	20 CFD 4040 4200/L/(C/L)		
USA OSHA USA TSCA	29 CFR 1910.1200(b)(6)(v) 40 CFR 704.3; 710.2(3)(c); and [19 CFR 12.1209a)]		
EU REACH	Title 1 - Chapter 2 - Article 3(3)		
GHS	Section 1.3.2.1		
11. Other Information	300.011 2.01212		
11a. Certification & 3rd Party Approva	ıls		
UL (UTGT2.S50939 Single Multiple	AA, 9V		
Station Smoke Alarms - Component)	Certification Standard: ANSI/UL 217 Single & Multiple Station Smoke Alarms		
11b. AIS Hazard Communication Appro	oaches (consulted in developing this document):		
Globally Harmonized System (GHS)	GHS SDS requirements and classification criteria do not apply to articles or products (such as		
	batteries) that have a fixed shape, which are not intended to release a chemical. The article		
	exemption is found in Section 1.3.2.1.1 of the GHS and reads: The GHS applies to pure		
	substances and their dilute solutions and to mixtures. "Articles" as defined by the Hazard		
	Communication Standard (29 CFR 1900.1200) of the OSHA of the USA, or by similar		
	definition, are outside the scope of the system."		
_	JAMP is a Japanese Industry Association who developed the concept of an Article Information		
Consortium JAMP	Sheet as a supply chain tool to share and communicate chemical information in articles. The		
	AIS authoring process is based on "declarable" substances to meet global regulatory		
	requirements as well as substances to be reported by GADSL, JIG, etc.		
IEC 62474 Ed. 1.0 B:2012 Material	An international standard that came into effect in March 2012 concerning declaration for		
Declaration for Products of and for	electrical and electronic products. IEC 6274 replaces the defunct Joint Industry Guide –		
the Electro-technical Industry	Material Declaration for Electro-technical Products (JIG-101-Ed 4.1 (May 21, 2012)		
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IEC 62474 Database - Publically	The general principle for a substance to be included in the database as a declarable substance		
available online (maintained by TC11:	is: 1) existing national laws or regulations in an IEC member country that are relevant to		
Environmental Standardization for	Electro-technical products and that prohibit or restrict substances, or that have a labeling,		
electrical and electronic products and	communication, reporting or notification requirement, and 2) applying IEC 62474 criteria		
systems.	results in identification of declarable substance.		
ANSI Z 400.1/Z19.1 (2010)	2.1 Scope: Applies to preparation of SDSs for hazardous chemicals used under occupational		
ANSI 2 400.1/213.1 (2010)	conditions. Does not address how the standard may be applied to articles. It presents basic		
	information on how to develop and write a SDS. Additional information is provided to help		
	comply with state and federal environmental and safety laws and regulations. Elements of the		
	standard may be acceptable for International use.		
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-	rovide a brief summary of our knowledge and guidance regarding the use of this material.		
	een compiled from sources considered by Duracell to be dependable and is accurate to the		
	is not meant to be an all-inclusive document on worldwide hazard communication		
regulations. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design			
	ns to prevent employee exposures, property damage or release to the environment. Duracell		
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product			

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product.