

ITEM: 5LE22 - PK12 Battery Alkaline C Everyday**SDS: C8199****ORDER: 0182766180****LP NUMBER: U814230563****SAFETY DATA SHEET (SDS)****This SDS should be attached or kept with the respective product with which it is associated.**

MSDS - C8199

Associated Items
16A670, 16A671, 16A672, 16A673, 19R750, 19R751, 19R752, 25TT43, 25TT44, 29XG17
29XG18, 49V039, 49X339, 49X340, 49X341, 31NJ78, 16A669, 645T79, 645T78, 645T77

DOCUMENT #: ALK NA PSDS

SUPERSEDES: GMEL 2002.9 - NA

ISSUE DATE: 4/16/2010

REAFFIRMED: 01/01/2012

UPDATED: 2/27/2013

P&G

PRODUCT SAFETY DATA SHEET (PSDS)

US OFFICE:
DURACELL, A P&G BUSINESS
BERKSHIRE CORPORATE PARK
14 RESEARCH DRIVE
BETHEL, CT 06401
USA

(203) 796-4000

CANADIAN OFFICE:
DURACELL, A P&G BUSINESS
4711 YONGE STREET
TORONTO, ONTARIO M2N 6K8
CANADA

(416) 730-4711

SECTION I - PRODUCT IDENTIFICATION

REPRESENTATIVE PRODUCT IMAGE/PACKAGING

THE BATTERY PRODUCTS REFERENCED IN THIS PSDS DOCUMENT ARE CONSUMER PRODUCTS. UNDER OSHA REGULATIONS, BATTERIES ARE CONSIDERED "ARTICLES" AND ARE NOT SUBJECT TO THE OSHA HAZARD COMMUNICATION STANDARD MSDS/SDS REQUIREMENTS WHICH APPLY FOR "HAZARDOUS CHEMICALS IN THE WORKPLACE." ADDITIONALLY, BATTERIES ARE CONSIDERED "ARTICLES" UNDER THE GLOBAL HARMONIZED SYSTEM AND ARE EXEMPTED FROM THE GHS LABELING AND SDS CLASSIFICATION CRITERIA. THIS PSDS DOCUMENT IS PROVIDED AS SERVICE IN RESPONSE TO REQUESTS FOR INFORMATION ON BATTERY USE, SAFETY AND REGULATORY COMPLIANCE.

IDENTITY: ALKALINE BATTERIES

DESCRIPTION: CONSUMER PRODUCT

DURACELL(R*) SUB-BRANDS: COPPERTOP(R*), ULTRA(R*),

DURACELL DESIGNATION SIZE NOMINAL VOLTAGE

MN/MX2400 AAA 1.5V

MN/MX1500 AA 1.5V

MN1400 / MX1400 C 1.5V

MN1300 / MX1300 D 1.5V

MN1604 9V 9V

MN2500 / MX2500 AAAA 1.5 V

OTHER ALKALINE DESIGNATIONS COVERED BY THIS PSDS:
7K67, MN1203, MN908, MN918, MN9100

CONSUMER RELATIONS 1-800-551-2355 (9:00 AM - 5:00 PM EST)

SECTION II - HAZARDS IDENTIFICATION

CAUTION:
BATTERIES MAY EXPLODE OR LEAK, AND CAUSE BURN INJURY, IF RECHARGED, DISPOSED OF IN FIRE, MIXED WITH A DIFFERENT BATTERY TYPE, INSERTED BACKWARDS OR DISASSEMBLED. REPLACE ALL USED BATTERIES AT THE SAME TIME. DO NOT CARRY BATTERIES LOOSE IN YOUR POCKET OR PURSE. DO NOT REMOVE THE BATTERY LABEL. KEEP SMALL BATTERIES (I.E., AAA) AWAY FROM CHILDREN. IF SWALLOWED, CONSULT A PHYSICIAN AT ONCE. FOR INFORMATION ON TREATMENT, CALL (202) 625-3333 COLLECT.

SECTION III - COMPOSITION AND INGREDIENTS

THE CHEMICALS AND METALS IN THIS PRODUCT ARE CONTAINED IN A SEALED CAN. EXPOSURE TO THE CONTENTS WILL NOT OCCUR UNLESS THE BATTERY LEAKS, IS EXPOSED TO HIGH TEMPERATURES OR IS MECHANICALLY, PHYSICALLY, OR ELECTRICALLY ABUSED. HAZARDOUS INGREDIENTS AS DEFINED BY OSHA, 29 CFR 1910.1200. AND/OR WHMIS UNDER THE HPA:

CHEMICAL NAME	CAS NO.	COMPOSITION RANGE
MANGANESE DIOXIDE	1313-13-9	35-40%
ZINC	7440-66-6	10-25%
POTASSIUM HYDROXIDE	1310-58-3	5-10%
GRAPHITE (NATURAL OR SYNTHETIC)	7782-42-5; 7440-44-0	1-5%

CHEMICAL NAME	LD50/LC50	EXPOSURE LIMITS
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MANGANESE DIOXIDE LD50 ORAL RAT: 5 MG/M3 CEILING OSHA PEL:
>3478 MG/KG 0.2 MG/M3 TWA ACGIH TLV

ZINC NONE FOR ZINC METAL
ESTABLISHED

POTASSIUM HYDROXIDE LD50 ORAL RAT: 2 MG/M3 CEILING ACGIH TLV:
273 MG/KG

GRAPHITE (NATURAL OR SYNTHETIC) NATURAL:
15 MPECF TWA OSHA PEL: 2
MG/M3 TWA (RESPIRABLE
DUST) ACGIH TLV;
SYNTHETIC:
5 MG/M3 TWA (RESPIRABLE
DUST), 15 MG/M3 TWA
(TOTAL DUST) OSHA PEL: 2
MG/M3

SECTION IV - FIRST AID INFORMATION

DAMAGED BATTERY WILL RELEASE CONCENTRATED POTASSIUM HYDROXIDE, WHICH IS CAUSTIC.

INGESTION:
DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY. CALL NATIONAL BATTERY INGESTION HOTLINE AT (202)-625-3333 COLLECT, DAY OR NIGHT.

EYE CONTACT:
IMMEDIATELY FLUSH EYES THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT:
REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION:
MOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SECTION V - FIRE FIGHTING INFORMATION

HAZARDOUS COMBUSTION PRODUCTS:
THERMAL DEGRADATION MAY PRODUCE HAZARDOUS FUMES OF ZINC AND MANGANESE, HYDROGEN GAS, CAUSTIC VAPORS OF POTASSIUM HYDROXIDE AND OTHER TOXIC BY-PRODUCTS.

EXTINGUISHING MEDIA:
USE ANY EXTINGUISHING MEDIA THAT IS APPROPRIATE FOR THE SURROUNDING AREA.

PROTECTION OF FIREFIGHTERS:

SPECIFIC HAZARDS ARISING FROM THE MATERIAL:
BATTERIES MAY BURST AND RELEASE HAZARDOUS DECOMPOSITION PRODUCTS WHEN EXPOSED TO A FIRE SITUATION.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:
FIREFIGHTERS SHOULD WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

SECTION VI - ACCIDENTAL RELEASE MEASURES

NOTIFY SAFETY PERSONNEL OF LARGE SPILLS. CAUSTIC POTASSIUM HYDROXIDE MAY BE RELEASED FROM LEAKING OR RUPTURED BATTERIES. CLEAN-UP PERSONNEL SHOULD WEAR APPROPRIATE CLOTHING TO AVOID EYE AND SKIN CONTACT AND INHALATION OF VAPORS AND FUMES. VENTILATE AREA. CAREFULLY COLLECT BATTERIES AND PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING:
AVOID MECHANICAL OR ELECTRICAL ABUSE. DO NOT SHORT CIRCUIT OR INSTALL INCORRECTLY. BATTERIES MAY RUPTURE OR VENT IF DISASSEMBLED, CRUSHED, RECHARGED OR EXPOSED TO HIGH TEMPERATURES. INSTALL BATTERIES IN ACCORDANCE WITH EQUIPMENT INSTRUCTIONS.

PRECAUTIONS TO BE TAKEN IN STORAGE:
STORE BATTERIES IN A DRY PLACE AT NORMAL ROOM TEMPERATURE. DO NOT REFRIGERATE - THIS WILL NOT MAKE THEM LAST LONGER.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

NOT APPLICABLE - FINISHED CONSUMER PRODUCT

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (COLOR, PHYSICAL FORM, SHAPE):
FINISHED CONSUMER PRODUCT - CYLINDRICAL BATTERY WITH DURACELL(R*) LABEL

VOLATILE ORGANIC COMPOUND (VOC):
NOT APPLICABLE - PRODUCT NOT REGULATED FOR VOC CONTENT AT STATE OR FEDERAL LEVEL

SECTION X - STABILITY AND REACTIVITY

FINISHED CONSUMER PRODUCT - STABLE UNDER NORMAL CONDITIONS OF USE. CONTENTS ARE INCOMPATIBLE WITH STRONG OXIDIZING AGENTS. DO NOT HEAT, CRUSH, DISASSEMBLE, SHORT CIRCUIT OR RECHARGE.

SECTION XI - TOXICOLOGICAL INFORMATION

THIS BATTERY PRODUCT IS A FINISHED CONSUMER PRODUCT. IT IS CLASSIFIED AS AN "ARTICLE" AND EXEMPT UNDER THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD.

CHRONIC EFFECTS: NO CHRONIC HEALTH EFFECTS REPORTED.

TARGET ORGANS: NO TARGET ORGANS REPORTED.

CARCINOGENICITY: THIS FINISHED CONSUMER PRODUCT IS NOT CARCINOGENIC.

SECTION XII - ECOLOGICAL INFORMATION

NO ECO-TOXICITY DATA ARE AVAILABLE. THIS PRODUCT IS NOT EXPECTED TO PRESENT AN ENVIRONMENTAL HAZARD. DURACELL ALKALINE BATTERIES DO NOT CONTAIN ANY ADDED MERCURY, CADMIUM OR LEAD.

SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

DISPOSE OF IN COMPLIANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.

NON-HOUSEHOLD SETTING (US FEDERAL):

ALKALINE BATTERIES COVERED BY THIS PSDS, IN THEIR ORIGINAL FORM (FINISHED CONSUMER PRODUCT), WHEN DISPOSED OF AS WASTE, ARE CONSIDERED NON-HAZARDOUS WASTE ACCORDING TO FEDERAL RCRA REGULATION (40 CFR 261).

NON-HOUSEHOLD SETTING (CALIFORNIA): NONE

HOUSEHOLD USE:

ALKALINE BATTERIES CAN BE SAFELY DISPOSED OF WITH NORMAL HOUSEHOLD WASTE. DO NOT ACCUMULATE LARGE QUANTITIES USED BATTERIES FOR DISPOSAL AS ACCUMULATION COULD CAUSE BATTERIES TO SHORT-CIRCUIT. DO NOT INCINERATE.

SECTION XIV - TRANSPORT INFORMATION

ALKALINE BATTERIES (SOMETIMES REFERRED TO AS "DRY CELL" OR "HOUSEHOLD" BATTERIES) ARE NOT LISTED OR REGULATED AS DANGEROUS GOODS UNDER THE IATA DANGEROUS GOODS REGULATIONS, ICAO TECHNICAL INSTRUCTIONS, IMDG CODE, UN MODEL REGULATIONS OR U.S. HAZARDOUS REGULATIONS (49CFR).

HOWEVER, SPECIAL REGULATORY PROVISIONS APPLY THAT REQUIRE BATTERIES TO BE PACKAGED IN A MANNER THAT PREVENTS THE GENERATION OF A DANGEROUS QUANTITY OF HEAT AND SHORT CIRCUITS. PRODUCT SHIPPED IN ITS ORIGINAL UNOPENED DURACELL PACKAGING IS COMPLIANT WITH THE FOLLOWING PACKAGING SPECIAL PROVISIONS:

GROUND TRANSPORT (US DOT): 49 CFR172.102 SPECIAL PROVISION 130

AIR TRANSPORT (IATA)/ICAO: SPECIAL PROVISION A123 (54TH EDITION - 2013)

THE WORDS 'NOT RESTRICTED' AND THE 'SPECIAL PROVISION A123' MUST BE INCLUDED ON THE DESCRIPTION OF THE SUBSTANCE ON THE AIR WAYBILL, WHEN AIR WAYBILL IS ISSUED.

MARINE/WATER TRANSPORT (IMDG): NONE

FOR TRANSPORTATION EMERGENCIES, CALL:

CHEMTREC EMERGENCY RESPONSE HOTLINE: 1-800-424-9300 (US & CANADA)

SECTION XV - REGULATORY INFORMATION

UNITED STATES:

OSHA:

THE FINISHED ALKALINE BATTERY PRODUCT IS CONSIDERED AN ARTICLE AND NOT COVERED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200

CPSIA 2008:

ALKALINE BATTERIES ARE EXEMPT. SEE CPSC EXEMPTION LETTER POSTED ON P&G WEB SITE.

EPA MERCURY CONTAINING AND RECHARGEABLE BATTERY MANAGEMENT ACT OF 1996: COMPLIANT

EPA TSCA:

ALL INTENTIONALLY-ADDED COMPONENTS OF THIS PRODUCT ARE LISTED ON THE US TSCA INVENTORY.

EPA SARA 313/302/304/311/312 CHEMICALS:
MANGANESE COMPOUNDS 35-40%; ZINC 10-25%

CALIFORNIA:

THIS PRODUCT HAS BEEN EVALUATED AND DOES NOT REQUIRE WARNING LABELING UNDER CALIFORNIA PROPOSITION 65.

STATE RIGHT-TO-KNOW AND CERCLA:

THE FOLLOWING INGREDIENTS PRESENT IN THE FINISHED PRODUCT ARE LISTED ON STATE RIGHT-TO-KNOW LISTS OR STATE WORKER EXPOSURE LISTS:

INGREDIENT	CAS #	LEVEL	CERCLA RQ	STATE				
				IL	MA	NJ	PA	RI
MANGANESE DIOXIDE	1313-13-9	35-40%	NONE	Y	Y	N	Y	Y
ZINC	7440-66-6	10-25%	1000 LBS	Y	Y	Y	Y	N
POTASSIUM HYDROXIDE	1310-58-3	5-10%	1000 LBS	Y	Y	Y	Y	Y
GRAPHITE	7782-42-5 7440-44-0	1-5%	NONE	Y	Y	N	Y	Y

CANADA:

ALL INGREDIENTS ARE CEPA APPROVED FOR IMPORT TO CANADA BY PROCTER & GAMBLE. THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS (CPR) AND THIS MSDS CONTAINS ALL INFORMATION REQUIRED BY THE CONTROLLED PRODUCTS REGULATIONS.

SECTION XVI - OTHER INFORMATION

P&G HAZARD RATING:

HEALTH 0

FLAMMABILITY 0

REACTIVITY 0

4=EXTREME

3=HIGH

2=MODERATE

1=SLIGHT

0=NOT SIGNIFICANT

HAZARD RATINGS ARE SUPPLIED FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH.

DISCLAIMER:

THIS PSDS IS INTENDED TO PROVIDE A BRIEF SUMMARY OF OUR KNOWLEDGE AND GUIDANCE REGARDING THE USE OF THIS MATERIAL. THE INFORMATION CONTAINED HERE HAS BEEN COMPILED FROM SOURCES CONSIDERED BY PROCTER & GAMBLE TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF THE COMPANY'S KNOWLEDGE. IT 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 MUST TO EVALUATE THE CONDITIONS OF USE AND DESIGN THE APPROPRIATE PROTECTIVE MECHANISMS TO PREVENT EMPLOYEE EXPOSURES, PROPERTY DAMAGE OR RELEASE TO THE ENVIRONMENT. PROCTER & GAMBLE ASSUMES NO RESPONSIBILITY FOR INJURY TO THE RECIPIENT OR THIRD PERSONS OR FOR ANY DAMAGE TO ANY PROPERTY RESULTING FROM MISUSE OF THE PRODUCT.

LP NUMBER: U814230563

A SAFETY DATA SHEET (SDS) IS NOT REQUIRED FOR THIS ITEM BECAUSE THE PRODUCT HAS BEEN DETERMINED EXEMPT FROM THE UPDATED HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) BY THE PRODUCT MANUFACTURER.

ITEM: 5LE22 - PK12 Battery Alkaline C Everyday**SDS: E9817****ORDER: 0182766180****LP NUMBER: U814230563****SAFETY DATA SHEET (SDS)****This SDS should be attached or kept with the respective product with which it is associated.**

MSDS - E9817

Associated Items

503Y53, 503Y54, 13J052, 13J053, 13J054, 13J055, 19PK10, 19PK11, 21EK77, 21EK78
21EK79, 21LN81, 21LN82, 21LN83, 21LN84, 22A624, 22A625, 2HYH9, 2HYJ5, 2HYJ6
2HYJ7, 2HYL1, 2HYL2, 2HYL3, 2LMX2, 30F538, 30F539, 32ZN21, 32ZN23, 39G076
3VY95, 3VY96, 3VY97, 3VY99, 3WA11, 3WA12, 458J20, 489D85, 489D86, 489D87
489D88, 5HXN7, 5LE21, 5LE22, 5LE23, 5LE24, 5LE25, 5LE26, 5LE27, 16A669, 16A670
16A671, 16A672, 16A673, 19R750, 19R751, 19R752, 25TT43, 25TT44, 29XG17, 29XG18
31NJ78, 49V039, 49X339, 49X340, 49X341, 645T77, 645T78, 645T79

DURACELL(R*)

ARTICLE INFORMATION SHEET (AIS)

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-OEM

ISSUE DATE: 1-MAY-15

PREPARER: PRODUCT SAFETY & REGULATORY

LAST REVISION: 3/1/2018

INFORMATION CONTACT: MOQUET.L@DURACELL.COM

2. COMPANY INFORMATION

NAME & ADDRESS:
DURACELL US OPERATIONS, INC.
14 RESEARCH DRIVE
BETHEL, CT 06801
USA

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 CONSUMER ALKALINE BATTERY

PRODUCT CATEGORY: ELECTRO-TECHNICAL DEVICE

USE: PORTABLE POWER SOURCE FOR ELECTRONIC DEVICES

GLOBAL SUB-BRANDS (RETAIL):
COPPERTOP, PLUS, QUANTUM, SIMPLY, TURBO, ULTRA, BASIC, TURBOMAX

GLOBAL SUB-BRANDS (B2B): PROCELL, INDUSTRIAL, OEM/OEA

MAJOR CELLS - SIZES/PART NUMBERS:

AA/LR6 (MN/MX/QU 1500); AAA/LR03 (MN/MX/QU 2400); AAAA/LR61 (MN/MX 2500),
C/LR14 (MN/MX 1400) D/LR20 (MN/MX 1300); 9V/6LR61/6LP3146 (MN/MX1604)

SPECIALTY CELLS - SIZES/PART NUMBERS:

MN11, MN21, MN27, MN175, PX76 (LR44), PX28, PX625, (LR09), LR43, LR54, N,
J, 4.5V, 625A

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:

MAJOR CELLS
LANTERN
SPECIALTY

4. ARTICLE CONSTRUCTION

APPLICABLE BATTERY INDUSTRY STANDARDS:

ANSI C18.1M PART 1, ANSI C18.1M PART 2, ANSI C18.4, IEC 60086,1, IEC
60086-2, IEC 60086-5

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:

ALKALI METAL HYDROXIDE (AQUEOUS POTASSIUM HYDROXIDE - CAS # 1310-58-3);
5-10%

MATERIALS OF CONSTRUCTION - CAN: NICKEL PLATED STEEL

DECLARABLE SUBSTANCES (IEC 62474 CRITERIA 1): NONE

MERCURY FREE BATTERY (ANSI C18.4M <5 PPM): YES

SMALL CELL OR BATTERY (ANSI C18.1M PART 2; IEC 60086-5):

SIZES:

AAA AND SPECIALTY CELLS FIT INSIDE A SPECIALLY DESIGNED TEST CYLINDER 100MM
INCHES (57.1MM) LONG BY 1.25 INCHES (31.70 MM) WIDE.

5. HEALTH & SAFETY

INGESTION/SMALL PARTS WARNING:

REQUIRED FOR SMALL CELL OR BATTERY (SIZES: AAA AND SPECIALTY CELLS):
KEEP AWAY FROM CHILDREN. IF SWALLOWED, CONSULT A PHYSICIAN IMMEDIATELY.

NORMAL CONDITIONS OF USE:

EXPOSURE TO CONTENTS INSIDE THE SEALED BATTERY WILL NOT OCCUR UNLESS THE
BATTERY LEAKS, IS EXPOSED TO HIGH TEMPERATURES, OR IS MECHANICALLY ABUSED.

NOTE TO PHYSICIAN:

A DAMAGED BATTERY WILL RELEASE CONCENTRATED AND CAUSTIC POTASSIUM
HYDROXIDE.

FIRST AID - IF SWALLOWED:

DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY. FOR INFORMATION
ON TREATMENT, CALL 24 HOUR NATIONAL BATTERY INGESTION HOTLINE (TELEPHONE
NUMBER BELOW).

24-HOUR BATTERY INGESTION HOTLINE:
USA/CANADA CALLS ONLY: 1-800-498-8666 (TOLL-FREE)

FIRST AID - EYE CONTACT:

FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL CARE IF IRRITATION
PERSISTS.

FIRST AID - SKIN CONTACT:

REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. SEEK MEDICAL
CARE IF IRRITATION PERSISTS.

FIRST AID - INHALATION : REMOVE TO FRESH AIR.

BATTERY SAFETY STANDARDS & TESTING:

DURACELL BATTERIES MEET THE REQUIREMENTS OF ANSI C18. 1M PART 2 AND IEC
60086-5. THESE STANDARDS SPECIFY TESTS AND REQUIREMENTS FOR ALKALINE
BATTERIES TO ENSURE SAFE OPERATION UNDER NORMAL USE AND REASONABLY
FORESEEABLE MISUSE. THE TEST REGIMES ASSESS THREE CONDITIONS OF SAFETY.
THESE ARE:

1-INTENDED USE SIMULATION:

PARTIAL USE, VIBRATION, THERMAL SHOCK, AND MECHANICAL SHOCK

2-REASONABLY FORESEEABLE MISUSE:

INCORRECT INSTALLATION, EXTERNAL SHORT-CIRCUIT, FREE FALL (USER-DROP),
OVER-DISCHARGE, AND CRUSH

3-DESIGN CONSIDERATION: THERMAL ABUSE, MOLD STRESS

PRECAUTIONARY STATEMENTS:

CAUTION:

BATTERIES MAY EXPLODE OR LEAK, AND CAUSE BURN INJURY, IF RECHARGED,
DISPOSED OF IN FIRE, MIXED WITH A DIFFERENT BATTERY TYPE, INSERTED
BACKWARDS OR DISASSEMBLED. REPLACE ALL USED BATTERIES AT THE SAME TIME.
DO NOT CARRY BATTERIES LOOSE IN YOUR POCKET OR PURSE. DO NOT REMOVE THE
BATTERY LABEL. KEEP SMALL BATTERIES (I.E., AAA) AWAY FROM CHILDREN. IF
SWALLOWED, CONSULT A PHYSICIAN AT ONCE.

6. FIRE HAZARD & FIREFIGHTING

FIRE HAZARD: BATTERIES MAY RUPTURE OR LEAK IF INVOLVED IN A FIRE.

EXTINGUISHING MEDIA:

USE ANY EXTINGUISHING MEDIA APPROPRIATE FOR THE SURROUNDING AREA.

FIRES INVOLVING LARGE QUANTITIES OF BATTERIES:

LARGE QUANTITIES OF BATTERIES INVOLVED IN A FIRE WILL RUPTURE AND RELEASE
CAUSTIC POTASSIUM HYDROXIDE. FIREFIGHTERS SHOULD WEAR SELF-CONTAINED
BREATHING APPARATUS AND PROTECTIVE CLOTHING

7. HANDLING & STORAGE

HANDLING PRECAUTIONS:

AVOID MECHANICAL AND ELECTRICAL ABUSE. DO NOT SHORT CIRCUIT OR INSTALL
INCORRECTLY. BATTERIES MAY RUPTURE OR VENT IF DISASSEMBLED, CRUSHED,
RECHARGED OR EXPOSED TO HIGH TEMPERATURES. INSTALL BATTERIES IN ACCORDANCE
WITH EQUIPMENT INSTRUCTIONS.

STORAGE PRECAUTIONS:

STORE BATTERIES IN A DRY PLACE AT NORMAL ROOM TEMPERATURE. REFRIGERATION
DOES NOT MAKE THEM LAST LONGER.

SPILLS OF LARGE QUANTITIES OF LOOSE BATTERIES (UNPACKAGED):

NOTIFY SPILL PERSONNEL OF LARGE SPILLS. IRRITATING AND FLAMMABLE VAPORS MAY
BE RELEASED FROM LEAKING OR RUPTURED BATTERIES. SPREAD BATTERIES APART TO
STOP SHORTING. ELIMINATE ALL IGNITION SOURCES. EVACUATE AREA AND ALLOW
VAPORS TO DISSIPATE. CLEAN-UP PERSONNEL SHOULD WEAR APPROPRIATE PPE TO
AVOID EYE AND SKIN CONTACT AND INHALATION OF VAPORS OR FUMES. INCREASE
VENTILATION. CAREFULLY COLLECT BATTERIES AND PLACE IN APPROPRIATE CONTAINER
FOR DISPOSAL. REMOVE ANY SPILLED LIQUID WITH ABSORBENT MATERIAL AND CONTAIN
FOR DISPOSAL.

8. DISPOSAL CONSIDERATIONS

(GHS SECTION 13)

COLLECTION & PROPER DISPOSAL:
DISPOSE OF USED (OR EXCESS) BATTERIES IN COMPLIANCE WITH FEDERAL,
STATE/PROVINCIAL AND LOCAL REGULATIONS. DO NOT ACCUMULATE LARGE QUANTITIES
OF USED BATTERIES FOR DISPOSAL AS ACCUMULATIONS COULD CAUSE BATTERIES TO
SHORT-CIRCUIT. DO NOT INCINERATE. IN COUNTRIES, SUCH AS CANADA AND THE EU,
WHERE THERE ARE REGULATIONS FOR THE COLLECTION AND RECYCLING OF BATTERIES,
CONSUMERS SHOULD DISPOSE OF THEIR USED BATTERIES INTO THE COLLECTION
NETWORK AT MUNICIPAL DEPOTS AND RETAILERS. THEY SHOULD NOT DISPOSE OF
BATTERIES WITH HOUSEHOLD TRASH.

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. CODE REGS. TITLE 22, DIV. 4.5, CH.
23):
CALIFORNIA PROHIBITS DISPOSAL OF BATTERIES AS TRASH (INCLUDING HOUSEHOLD
TRASH).

VERMONT PRIMARY BATTERY STEWARDSHIP LAW (ACT 139):
IN VERMONT, CONSUMERS MUST RECYCLE ALKALINE BATTERIES. FOR INFORMATION,
CONTACT [HTTP://WWW.CALLERRECYCLE.ORG](http://www.callerrecycle.org)

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 (56TH EDITION - 2015). 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 GOODS (IMDG):
NOT REGULATED/NO REQUIREMENTS.

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 SECTION 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%) 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)):

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.

CALIFORNIA PROP 65: NO WARNING REQUIRED PER 3RD PARTY ASSESSMENT.

CANADA PRODUCTS CONTAINING MERCURY REGULATIONS SOR/20140254: MERCURY FREE

EU REACH REGULATION (EC) NO. 1907/2006:
REGULATED AS AN "ARTICLE". NO LISTED SUBSTANCES ARE KNOWN TO BE PRESENT
(>0.01% W/W) IN ACCORDANCE WITH ECU ARTICLE DEFINITION OF 10 SEPTEMBER
2015.

EU REACH ARTICLE 31: SDS IS NOT REQUIRED CONSUMER ALKALINE BATTERIES

10C. REGULATORY DEFINITIONS - ARTICLES:

USA OSHA: 29 CFR 1910.1200(B) (6) (V)

USA TSCA: 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

11A. CERTIFICATION & 3RD PARTY APPROVALS:

UL (UTG72.S50939 SINGLE MULTIPLE STATION SMOKE ALARMS - COMPONENT): AA, /W

CERTIFICATION STANDARD: ANSI/UL 217 SINGLE & MULTIPLE STATION SMOKE ALARM

11B. AIS HAZARD COMMUNICATION APPROACHES (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."

JOINT ARTICLE MANAGEMENT PROMOTION CONSORTIUM JAMP:
JAMP IS A JAPANESE INDUSTRY ASSOCIATION WHO DEVELOPED THE CONCEPT OF AN
ARTICLE INFORMATION SHEET AS A SUPPLY CHAIN TOOL TO SHARE AND COMMUNICATE
CHEMICAL INFORMATION IN ARTICLES. THE AIS AUTHORIZING 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 DECLARATION FOR PRODUCTS OF AND FOR THE
ELECTRO-TECHNICAL INDUSTRY: AN INTERNATIONAL STANDARD THAT CAME INTO EFFECT
IN MARCH 2012 CONCERNING DECLARATION FOR ELECTRICAL AND ELECTRONIC
PRODUCTS. IEC 6274 REPLACES THE DEFUNCT JOINT INDUSTRY GUIDE - MATERIAL
DECLARATION FOR ELECTRO-TECHNICAL PRODUCTS (JIG-101-ED 4.1 (MAY 21, 2012))

IEC 62474 DATABASE - PUBLICALLY AVAILABLE ONLINE (MAINTAINED BY IEC):
ENVIRONMENTAL STANDARDIZATION FOR ELECTRICAL AND ELECTRONIC PRODUCTS AND
SYSTEMS.

THE GENERAL PRINCIPLE FOR A SUBSTANCE TO BE INCLUDED IN THE DATABASE AS A
DECLARABLE SUBSTANCE IS: 1) EXISTING NATIONAL LAWS OR REGULATIONS IN AN IEC
MEMBER COUNTRY THAT ARE RELEVANT TO ELECTRO-TECHNICAL PRODUCTS AND THAT
PROHIBIT OR RESTRICT SUBSTANCES, OR THAT HAVE A LABELING, COMMUNICATION,
REPORTING OR NOTIFICATION REQUIREMENT, AND 2) APPLYING IEC 62474 CRITERIA
RESULTS IN IDENTIFICATION OF DECLARABLE SUBSTANCE.

ANSI Z 400.1/Z19.1 (2010):

2.1 SCOPE:
APPLIES TO PREPARATION OF SDS FOR HAZARDOUS CHEMICALS USED UNDER
OCCUPATIONAL 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.

DISCLAIMER:
THIS AIS IS INTENDED TO PROVIDE A BRIEF SUMMARY OF OUR KNOWLEDGE AND
GUIDANCE REGARDING THE USE OF THIS MATERIAL. THE INFORMATION CONTAINED HEREIN
HAS BEEN COMPILED FROM SOURCES CONSIDERED BY PROCTER & GAMBLE TO BE
DEPENDABLE AND IS ACCURATE TO THE BEST OF THE COMPANY'S KNOWLEDGE. IT 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 THE APPROPRIATE
PROTECTIVE MECHANISMS TO PREVENT EMPLOYEE EXPOSURES, PROPERTY DAMAGE OR
RELEASE TO THE ENVIRONMENT. PROCTER & GAMBLE ASSUMES NO RESPONSIBILITY FOR
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