

Material Safety Data Sheet

Date of issue: | Revision Date: March 2015 | Revision Number:
 Imperial Supplies Part Number: 0050000.0050080.0050130.0050140.0050144

1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:

Name: Energizer Battery Manufacturing, Inc.

Street Address: 25225 Detroit Rd.

City, State Zip: Westlake, OH 44145

Country (if applicable)

Telephone: 800-383-7323 (USA / CANADA)

Emergency Phone

Product Name: Eveready Battery

Product Code(s):

Recommended Use:

UN-Number:

Product Type:

2. HAZARDS IDENTIFICATION

Appearance: Solid | Physical State: | Odor: No odor
 object

Potential Health Effects

Principle Routes of Exposure

Acute Effects:

Eyes	Contents of an open battery can cause severe irritation and chemical burns. Contents of an open battery can cause skin irritation and/or chemical burns. Contents of an open battery can cause respiratory irritation. Swallowing a battery can be harmful. Contents of an open battery can cause serious chemical burns of mouth, esophagus, and gastrointestinal tract.
Skin	
Inhalation	
Ingestion	

Notes: Under normal conditions of use, the battery is hermetically sealed.

Chronic Effects:

Eyes

Skin

Inhalation

Ingestion

Notes:

Aggravated Medical Conditions

Environmental Hazard

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical/Ingredient Name	CAS-No	Weight%	ACGIH, TLV-TWA 3.5 mg/m3 TWA (as carbon black)	OSHA-PE L 3.5 mg/m3 TWA (as carbon black) None establi shed	Other
Acetylene Black	1333-86-4	3-7			
Ammonium Chloride	2125-02-9	0-10	10 mg/m3 TWA (fume) 20 mg/m3 STEL (fume)		
Manganese Dioxide	1313-13-9	15-31	0.2 mg/m3 TWA (as Mn)	5 mg/m3 CEILING (as Mn)	
Zinc	7440-66-6	7-42	10 mg/m3 TWA PNOC** (inhalable particulat e) 3 mg/m3 TWA PNOC** (respirabl	15 mg/m3 TWA PNOR* (total dust) 5 mg/m3	

			e particulat e)	TWA PNOR* (respir able fractio n) 1 mg/m3 TWA (fume)
Zinc Chloride	7646-85-7	2-10	1 mg/m3 TWA (fume)	1 mg/m3 TWA (fume)
			2 mg/m3 STEL (fume)	
Non-Hazardous Components	65997-19-5	23-28	None	None
Steel			establishe d	establi shed
Water, Paper, Plastic and Other		Balance	Non establishe d	Non establi shed

Notes: The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful.

4. FIRST AID MEASURES

General Advice

Eyes	Immediately flush eyes thoroughly with water for at least 15 minutes, lifting upper and lower lids, until no evidence of the chemical remains. Seek medical attention.
Skin	Remove contaminated clothing and wash skin with soap and water. If a chemical burn occurs or if irritation persists, seek medical attention.
Inhalation	Provide fresh air and seek medical attention.
Ingestion	Do not induce vomiting or give food or drink. Seek medical attention immediately. CALL NATIONAL BATTERY INGESTION HOTLINE for advice and follow-up (202-625-3333) collect day or night.
Notes to Physician	
Protection of First-aiders	
Notes	

5. FIRE-FIGHTING MEASURES

Flammability/Flammable properties	Not applicable for an Article
Flash point	Not applicable for an Article
Recommended Extinguishing Media	
Special Fire-Fighting Procedures	In case of fire, it is permissible to use any class of extinguishing medium on these batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture. Fire fighters should wear self-contained breathing apparatus.
Explosion Data	
Sensitivity to Mechanical Impact	
Sensitivity to Static Discharge	
Specific Hazards from Chemical	
Protective Equipment	Fire fighters should wear self-contained breathing apparatus.

NFPA | Health Hazard: | Flammability: | Instability: | Physical Hazard

HMIS | Health Hazard: | Flammability: | Physical
Hazard: | PPE:

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Eye Protection: Wear safety glasses with side shields if handling an open or leaking battery.
 Gloves: Use neoprene or natural rubber gloves if handling an open or leaking battery. Battery materials should be collected in a leak-proof

container.
 Environmental Precautions
 Methods for Containment
 Methods for Cleaning Up
 Notes: Ventilation Requirements: Room ventilation may be required in areas where there are open or leaking batteries.

7. HANDLING AND STORAGE

Handling: Accidental short circuit for a few seconds will not seriously affect the battery. Prolonged short circuit will cause the battery to lose energy, and can cause the safety release vent to open. Sources of short circuits include jumbled batteries in bulk containers, metal jewelry, metal covered tables or metal belts used for assembly of batteries into devices. If soldering or welding to the battery is required, consult your Energizer Battery Manufacturing, Inc. representative for proper precautions to prevent seal damage or short circuit.
 Storage: Store in a cool, well ventilated area. Elevated temperatures can result in shortened battery life.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	OTHER

Engineering Measures

Personal Protective Equipment

Eyes/Face Protection	Not necessary under normal conditions.
Skin and Body Protection	Gloves: Not necessary under normal conditions.
Respiratory Protection	Not necessary under normal conditions.
Ventilation/Other Hygiene Measures	Not necessary under normal conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid object	Odor	No odor
Odor Threshold	No odor	Physical State	
Color		Viscosity	Not applicable for an Article
pH	Not applicable for an Article	Percent Volatile, wt. %	
Flash Point	Not applicable for an Article	Auto-ignition Temperature	Not applicable for an Article
Decomposition Temp	Not applicable for an Article	Boiling Point/ Range	Not applicable for an Article
Melting Point/Range	Not applicable for an Article	Freezing Point	Not applicable for an Article
Flammability	Not applicable for an Article	Explosion Limits	
Specific Gravity		Water Solubility	Not applicable for an Article
Solubility		Evaporation Rate	Not applicable for an Article
Vapor Pressure	Not applicable for an Article	Vapor Density	Not applicable for an Article
VOC content, wt. %			
Notes			

10. STABILITY AND REACTIVITY

Chemical Stability	
Incompatible Products	
Conditions to avoid	
Hazardous Decomposition	
Products	
Hazardous Polymerization	

Notes: Carbon zinc batteries do not meet any of the criteria established in 40 CFR 261.2 for reactivity.

11. TOXICOLOGY INFORMATION

Acute Toxicity: Under normal conditions of use, carbon zinc batteries are non-toxic.

Product Information	
Inhalation	
Eye Contact	
Skin Contact	
Ingestion	

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Chronic Toxicity|

Chemical Name	ACGIH	IARC	NTP	OSHA
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Target Organ Effects

12. ECOLOGICAL INFORMATION

Ecotoxicity
The Environmental impact of this product has been fully investigated

Chemical Name	Toxicity to Algea	Toxicity to Fish	Tox, to Microorganisms	Daphnia Magna (water flea)
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Notes: Issues such as ecotoxicity, persistence and bioaccumulation are not applicable for articles.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with all applicable federal, state and local regulations. Appropriate disposal technologies include incineration and land filling.

Contaminated Packaging

US EPA Waste number

Notes

14. TRANSPORTATION INFORMATION

DOT	
UN-Number	
Proper Shipping name	
Hazard Class	
Packing Group	
Description	49 CFR 172.102 Provision 130
Emergency Response	
Guide Number	

TDG	
UN-Number	
Proper Shipping name	
Hazard Class	
Packing Group	

Description		
MEX		
UN-Number		
Proper Shipping name		
Hazard Class		
Packing Group		
Description		
ICAO		
UN-Number		
Proper Shipping name		Not regulated
Hazard Class		
Packing Group		
Description		
IATA		
UN-Number		
Proper Shipping name		
Hazard Class		
Packing Group		
ERG Code		
Description		A123
IMDG/IMO		
UN-Number		
Proper Shipping name		Not regulated
Hazard Class		
Packing Group		
EmS No.		
Description		
RID		
UN-Number		
Proper Shipping name		
Hazard Class		
Packing Group		
Classification Code		
Description		
ADR/RID-Labels		
ADR		
UN-Number		
Proper Shipping name		Not regulated
Hazard Class		
Packing Group		
Classification Code		
Description		
ADR/RID-Labels		
ADN		
UN-Number		
Proper Shipping name		
Hazard Class		
Packing Group		
Classification Code		
Special Provisions		
Description		
Hazard Labels		
Limited Quantity		

15. REGULATORY INFORMATION

International Inventories

TSCA

DSL

EINECS

ENCS

IECSC

PICCS

AICS

U.S. Federal Regulations

SARA 313

SARA 311/312 Hazard Categories

Acute Health Hazard

Chronic Health Hazard

Fire Hazard
Sudden Release of Pressure Hazard
Reactive Hazard

Clean Water Act

CERCLA

U.S. State Regulations

U.S. State Right-to-Know Regulations: SARA/TITLE III - As an article, this battery and its contents are not subject to the requirements of the Emergency Planning and Community Right-To-Know Act.

International Regulations: Batteries marketed by Energizer Battery Manufacturing, Inc. are not classified as dangerous goods by the US Department of Transportation or the major international regulatory bodies and are therefore not regulated.

Canada

16. OTHER INFORMATION

Prepared By:
Revision Date: March 2015
Company: Energizer Battery Manufacturing, Inc.
Revision number
Telephone number: 800-383-7323 (USA / CANADA)

Notes

Other Information: None.

Disclaimer information

END OF MATERIAL SAFETY DATA SHEET