

Safety Data Sheet

ENERGIZER BATTERY

Product: XC005

Revision date: 2018/05/14

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product name: ENERGIZER BATTERY.

Synonyms: None

Chemical family: Mixture.

Product uses: Battery.

Supplier: Same as manufacturer.

Manufacturer: Energizer Battery Manufacturing, Inc.
25225 Detroit Rd.
Westlake, OH 44145.

Manufacturer emergency phone number: Chemtrec 800-424-9300.

Information phone number: 800-383-7323

Section 2: HAZARD IDENTIFICATION

GHS Classification

Health Hazard Class(es): No health hazard class.

Physical Hazard Class(es): No physical hazard class.

Environmental Hazard Class(es): No environmental hazard class.

GHS Label Elements

Symbol: Non hazardous - no GHS symbol.

Signal word: None required.

Hazard statement(s): None

Precautionary statement(s): None

Other hazard(s): Not available.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name
108-32-7	0-8	ALKYLENE CARBONATE
110-71-4	0-6	DIMETHOXYETHANE
1313-13-9	12-42	MANGANESE DIOXIDE
1333-86-4	0-1	CARBON BLACK
33454-82-9	0-3	METHANESULFONIC ACID, TRIFLUORO
646-06-0	0-8	DIOXOLANE
65997-19-5	20	STAINLESS STEEL
7439-93-2	1-6	LITHIUM
7782-42-5	0-3	GRAPHITE
90076-65-6	0-3	METHANESULFONAMIDE, 1,1,1-TRIFLUORO-N-

Section 4: FIRST AID MEASURES

- Skin contact:** Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical attention if irritation persists.
- Eye contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical attention.
- Inhalation:** Remove victim to fresh air.
Obtain medical attention.
- Ingestion:** Do not induce vomiting.
Never give anything by mouth to an unconscious person.
If irritation occurs, consult a physician.

Section 5: FIRE FIGHTING MEASURES

- Flammability:** Not flammable.
- Extinguishing media:** Flood with water.
Class D fire extinguisher.
- Conditions of flammability:** Surrounding fire.
- Special procedures:** Firefighters should wear the usual protective gear.
Use water to cool fire exposed containers.
Wear a self contained breathing apparatus.
- Sensitivity to static discharge:** Not available.
- Sensitivity to mechanical impact:** Protect against physical damage.
- Rate of burning:** Not available.
- Hazardous combustion products:** Not available.

Section 6: ACCIDENTAL RELEASE MEASURES

- Leak/Spill:** Wear appropriate protective equipment.
Place in a closed container for disposal.
Pick up and dispose.

Section 7: HANDLING AND STORAGE

- Handling procedures:** Use adequate ventilation.
Wear personal protective equipment appropriate to task.
Avoid breathing dust or vapors.
Wash thoroughly after handling.
Keep out of reach of children.
Avoid contact with skin, eyes and clothing.
Launder contaminated clothing prior to reuse.
Do not ingest.
Avoid prolonged short circuit.
Do not open battery.
Avoid overheating and overcharging.
- Storage procedures:** Store away from combustible materials.
Store in a cool and well ventilated area.
Do not store at elevated temperatures.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Gloves/Type: None required with normal use.

Respiratory/Type: None required under normal use.

Eye/Type: None required under normal use.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: Normal work clothes.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: None required with normal use.

Exposure limit of material: No exposure limit established for the product.

Ingredients:

C.A.S.	Ingredient Name	TLV
108-32-7	ALKYLENE CARBONATE	NOT AVAILABLE
110-71-4	DIMETHOXYETHANE	NOT AVAILABLE
1313-13-9	MANGANESE DIOXIDE	0.2 MG(MN)/M3
1333-86-4	CARBON BLACK	3 MG/M3
33454-82-9	METHANESULFONIC ACID, TRIFLUORO	NOT AVAILABLE
646-06-0	DIOXOLANE	20 PPM
65997-19-5	STAINLESS STEEL	18/05VAILABLE
7439-93-2	LITHIUM	NOT AVAILABLE
7782-42-5	GRAPHITE	2 MG/M3 (R)
90076-65-6	METHANESULFONAMIDE, 1,1,1-TRIFLUORO-N-	NOT AVAILABLE

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid

Appearance & odor: Odourless.
Battery.

Odor threshold (ppm): Not available.

pH: Not applicable.

Boiling point (°C): Not applicable.

Freezing point (°C): Not available.

Flash point (°C), method: Not available.

Auto-ignition temperature (°C): Not available.

Explosive power: Batteries can rupture in the case of a fire.
In a confined space, hydrogen gas can form an explosive mixture.

Vapour pressure (mmHg): Not applicable.

Specific gravity @ 20 °C: Not available.

Density: 2.0-3.0 g/cm3.

Vapour density (air=1): Not applicable.

**Evaporation rate
(butyl acetate = 1):** Not applicable.

Solubility in water (%): Not applicable.

Coefficient of water/oil dist.: Not available.

Section 10: STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Conditions of instability: None known.

Hazardous polymerization: Not available.

Incompatible substances: None known.

Hazardous products of decomposition: None known.

Section 11: TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

Route of entry: The batteries in solid form are generally not considered hazardous. However, the contents of an open battery can cause serious harm and may cause the following effects.

Eye contact: May cause severe irritation.

Skin contact: May cause irritation.

Inhalation: May cause respiratory irritation.

Ingestion: May be harmful if swallowed.

Effects of chronic exposure: None known.

Sensitization to product: Not available.

Carcinogenic effects: (this product contains less than 1%).
Carbon black is a known animal carcinogen and a possible human carcinogen.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

LD50 of product, species & route: No LD50 value established for the product.

LC50 of product, species & route: No LC50 value established for the product.

Ingredients:

C.A.S.	Ingredient Name	LD50	LC50
108-32-7	ALKYLENE CARBONATE	>5000 MG/KG RAT ORAL >5000 MG/KG RAT ORAL > 20 ML/KG RABBIT DERMAL >2000 MG/KG RABBIT DERMAL 20700 MG/KG MOUSE ORAL	>5000 MG/M3 RAT INHALATION
110-71-4	DIMETHOXYETHANE	775 MG/KG RAT ORAL 3200 MG/KG MOUSE ORAL 320 MG/KG RABBIT ORAL 2000 MG/KG RABBIT DERMAL	> 20,000 MG/M3/6H RAT INHALATION
1313-13-9	MANGANESE DIOXIDE	3478 MG/KG RAT ORAL	NOT AVAILABLE

1333-86-4	CARBON BLACK	>15,400 MG/KG RAT ORAL >3,000 MG/KG RABBIT DERMAL	NOT AVAILABLE
33454-82-9	METHANESULFONIC ACID, TRIFLUORO	NOT AVAILABLE	NOT AVAILABLE
646-06-0	DIOXOLANE	3000 MG/KG RAT ORAL 15,000 MG/KG RAT DERMAL 3200 MG/KG MOUSE ORAL 5200 MG/KG RABBIT ORAL 8480 MG/KG RABBIT DERMAL	20,650 MG/M3/4H RAT INHALATION 10,500 MG/M3/2H MOUSE INHALATION
65997-19-5	STAINLESS STEEL	NOT AVAILABLE	NOT AVAILABLE
7439-93-2	LITHIUM	NOT AVAILABLE	NOT AVAILABLE
7782-42-5	GRAPHITE	NOT AVAILABLE	NOT AVAILABLE
90076-65-6	METHANESULFONAMIDE, 1,1,1-TRIFLUORO-N-	NOT AVAILABLE	NOT AVAILABLE

Section 12: ECOLOGICAL INFORMATION

Environmental fate: Not available.

Environmental toxicity: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Waste disposal: Dispose of all waste in accordance with Local, State, and Federal regulations.

Section 14: TRANSPORT INFORMATION

TDG classification: Not regulated.

Section 15: REGULATORY INFORMATION

DSL status: Appears on DSL.

Section 16: OTHER INFORMATION

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