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Dear Educator,

This file contains the Safety Data Sheets (SDS) for FOSS SUN, MOON AND PLANETS, 3<sup>rd</sup> Edition as of July 24, 2017.

Because kit contents can sometimes be replaced, we recommend searching our online portal of SDS for current sheets as you need them. To make that searching easier, we have provided a listing below of the items with SDS in this kit.

Portal: <http://www.schoolspecialty.com/sds>

<b>Part Number to Search</b>	<b>Item Description</b>
021-3730	Batteries-AA
1494489	Marker, dry-erase

Note: The part numbers to search for in the portal are often not the same part numbers used to order replacements. To order replacements, please visit [www.deltaeducation.com/refillcenter](http://www.deltaeducation.com/refillcenter)

If you have any questions, please contact Customer Care at 800-258-1302 for assistance.

**PRODUCT SAFETY DATA SHEET**

**PRODUCT NAME:** Eveready / Energizer Battery

**Type No.:**                      **Volts:**

**TRADE NAMES:** ENERGIZER, ENERGIZER e<sup>2</sup>, INDUSTRIAL ZMA, HERCULES, EVEREADY, WONDER

**Approximate Weight:**

**CHEMICAL SYSTEM:** Alkaline Manganese Dioxide-Zinc

**Designed for Recharge:** No

*Energizer has prepared copyrighted Product Safety Datasheets to provide information on the different Eveready/Energizer battery systems. Batteries are articles as defined under the GHS and exempt from GHS classification criteria (Section 1.3.2.1.1 of the GHS). The information and recommendations set forth herein are made in good faith, for information only, and are believed to be accurate as of the date of preparation. However, ENERGIZER BATTERY MANUFACTURING, INC. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS INFORMATION AND DISCLAIMS ALL LIABILITY FROM REFERENCE ON IT.*

**SECTION 1 - MANUFACTURER INFORMATION**

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

Telephone Number for Information:  
800-383-7323 (USA / CANADA)

Date Prepared: March 2015

**SECTION 2 – HAZARDS IDENTIFICATION**

**GHS classification:** N/A

**Signal Word:** N/A

**Hazard Classification:** N/A

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

**Ingestion:** Swallowing a battery can be harmful. Contents of an open battery can cause serious chemical burns of mouth, esophagus, and gastrointestinal tract.

**Inhalation:** Contents of an open battery can cause respiratory irritation.

**Skin Contact:** Contents of an open battery can cause skin irritation and/or chemical burns.

**Eye Contact:** Contents of an open battery can cause severe irritation and chemical burns.

**SECTION 3 - INGREDIENTS**

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

MATERIAL OR INGREDIENT	PEL (OSHA)	TLV (ACGIH)	%/wt.
Graphite (CAS# 7782-42-5)	15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable fraction)	2 mg/m <sup>3</sup> TWA (respirable fraction)	2-6
Manganese Dioxide (CAS# 1313-13-9)	5 mg/m <sup>3</sup> Ceiling (as Mn)	0.2 mg/m <sup>3</sup> TWA (as Mn)	30-45
Potassium Hydroxide (CAS# 1310-58-3)	None established	2 mg/m <sup>3</sup> Ceiling	4-8
Zinc (CAS# 7440-66-6)	15 mg/m <sup>3</sup> TWA PNOR* (total dust) 5 mg/m <sup>3</sup> TWA PNOR* (respirable fraction)	10 mg/m <sup>3</sup> TWA PNOC** (inhalable particulate) 3 mg/m <sup>3</sup> TWA PNOC** (respirable particulate)	12-25

Non-Hazardous Components			
Steel (iron CAS# 65997-19-5	None established	None established	18-22
Water, Paper, Plastic and Other	None established	None established	Balance

\* PNOR: Particulates not otherwise regulated

\*\*PNOC: Particulates not otherwise classified

**SECTION 4 – FIRST AID MEASURES**

**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.

**Inhalation:** Provide fresh air and seek medical attention.

**Skin Contact:** Remove contaminated clothing and wash skin with soap and water. If a chemical burn occurs or if irritation persists, seek medical attention.

**Eye Contact:** 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.

**SECTION 5 - FIRE FIGHTING MEASURES**

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.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

To cleanup leaking batteries:

**Ventilation Requirements:** Room ventilation may be required in areas where there are open or leaking batteries.

**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.

**SECTION 7 - HANDLING AND STORAGE**

**Storage:** Store in a cool, well ventilated area. Elevated temperatures can result in shortened battery life.

**Mechanical Containment:** If potting or sealing the battery in an airtight or watertight container is required, consult your Energizer Battery Manufacturing, Inc. representative for precautionary suggestions. Batteries normally evolve hydrogen which, when combined with oxygen from the air, can produce a combustible or explosive mixture unless vented. If such a mixture is present, short circuits, high temperature, or static sparks can cause an ignition.

Do not obstruct safety release vents on batteries. Encapsulation (potting) of batteries will not allow cell venting and can cause high pressure rupture.

**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.

**Charging:** This battery is manufactured in a charged state. It is not designed for recharging. Recharging can cause battery leakage or, in some cases, high pressure rupture. Inadvertent charging can occur if a battery is installed backwards.

**Labeling:** If the Eveready / Energizer Battery label or package warnings are not visible, it is important to provide a package and/or device label stating:

**WARNING:** do not install backwards, charge, put in fire, or mix with other battery types. May explode or leak causing injury.

**Replace all batteries at the same time.**

Where accidental ingestion of small batteries is possible, the label should include:

Keep away from small children. If swallowed, promptly see doctor; have doctor phone (202) 625-3333 collect.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ventilation Requirements:** Not necessary under normal conditions.

**Respiratory Protection:** Not necessary under normal conditions.

**Eye Protection:** Not necessary under normal conditions.

**Gloves:** Not necessary under normal conditions.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Appearance (physical state, color, etc.):	Solid object
Upper Explosive Limits:	Not applicable for an Article
Lower Explosive Limits	Not applicable for an Article
Odor	No odor
Vapor Pressure (mm Hg @ 25°C)	Not applicable for an Article
Odor Threshold	No odor
Vapor Density (Air = 1)	Not applicable for an Article
pH	Not applicable for an Article
Density (g/cm <sup>3</sup> )	2.0 – 3.0
Melting point/Freezing Point	Not applicable for an Article
Solubility in Water (% by weight)	Not applicable for an Article
Boiling Point @ 760 mm Hg (°C)	Not applicable for an Article
Flash Point	Not applicable for an Article
Evaporation Rate (Butyl Acetate = 1)	Not applicable for an Article
Flammability	Not applicable for an Article
Partition Coefficient	Not applicable for an Article
Auto-ignition Temperature	Not applicable for an Article
Decomposition Temperature	Not applicable for an Article
Viscosity	Not applicable for an Article

**SECTION 10 – STABILITY AND REACTIVITY**

Alkaline batteries do not meet any of the criteria established in 40 CFR 261.2 for reactivity.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Under normal conditions of use, alkaline batteries are non-toxic.

**SECTION 12 – ECOLOGICAL INFORMATION**

Issues such as ecotoxicity, persistence and bioaccumulation are not applicable for articles.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

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

**SECTION 14 – TRANSPORT INFORMATION**

In general, all batteries in all forms of transportation (ground, air, or ocean) must be packaged in a safe and responsible manner. Regulatory concerns from all agencies for safe packaging require that batteries be packaged in a manner that prevents short circuits and be contained in "strong outer packaging" that prevents spillage of contents. All original packaging for Energizer alkaline batteries has been designed to be compliant with these regulatory concerns.

Alkaline batteries (sometimes referred to as "Dry cell" batteries) are not listed as dangerous goods under the ADR European Agreement Concerning the International Carriage of Dangerous Goods by Road, the IMDG International Maritime Dangerous Goods Code, UN Dangerous Good Regulations, IATA Dangerous Goods Regulations, ICAO Technical Instructions and the U.S. hazardous materials regulations (49 CFR). These batteries are not subject to the dangerous goods regulations provided they meet the requirements contained in the following special provisions.

Regulatory Body	Special Provisions
ADR	Not regulated
IMDG	Not regulated
UN	Not regulated
US DOT	49 CFR 172.102 Provision 130
IATA	A123
ICAO	Not regulated

All Energizer alkaline batteries are packed in such a way to prevent short circuits or the generation dangerous quantities of heat and meet the special provisions listed above. In addition, the IATA Dangerous Goods Regulations and ICAO Technical Instructions require the words "not restricted" and the Special Provision number A123 be provided on the air waybill, when an air waybill is issued.

**SECTION 15 - REGULATORY INFORMATION**

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.

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.

**SECTION 16 - OTHER INFORMATION**

None.

## Safety Data Sheet

**Material Name: CRAYOLA® DRY ERASE MARKERS**
**SDS ID: 00227690**

### \*\*\*Section 1 - PRODUCT AND COMPANY IDENTIFICATION\*\*\*

**Material Name: CRAYOLA® DRY ERASE MARKERS**

CRAYOLA LLC  
1100 Church Lane  
Easton, PA 18044  
support@crayola.com

Phone: 1-800-272-9652

Health Emergency - Call local Poison Control Center  
Transportation Emergency: 1-800-535-5053

#### Synonyms

VISI-MAX DRY ERASE; CRAYOLA DRY ERASE MARKERS; INK TANK DRY ERASE MARKERS; PRODUCT CODE(S): 04-1220; 04-5692; 58-7620; 74-7057; 76-6901; 76-6902; 76-6906; 76-6908; 76-6919; 76-6920; 76-6921; 76-6922; 76-6918; 76-6915; 76-6917; 76-6916; 76-6923; 76-6924; 95-1000; 95-5195; 98-0200; 98-0251; 98-0424; 98-1007; 98-1008; 98-1009; 98-2003; 98-5004; 98-5200; 98-5806; 98-5812; 98-5906; 98-5912; 98-6012; 98-8572; 98-8574; 98-8606; 98-8607; 98-8626; 98-8628; 98-8629; 98-8630; 98-8631; 98-8632; 98-8634; 98-8636; 98-8638; 98-8640; 98-8641; 98-8642; 98-8646; 98-8648; 98-8651; 98-8657; 98-8662; 98-8900; 98-8901; 98-8902; 98-9514; 98-9515; 98-9626; 98-9636

#### Product Use

Arts and Crafts

### \*\*\*Section 2 - HAZARDS IDENTIFICATION\*\*\*

#### POTENTIAL HEALTH EFFECTS

**Inhalation:** none  
**Skin Contact:** none  
**Eye Contact:** none  
**Ingestion:** none

### \*\*\*Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS\*\*\*

CAS	Component	Percent	Symbol(s)	Risk Phrase(s)
Not Available	Product has been certified as non-toxic by the art and creative materials institute, inc. and conforms to astm D-4236 standard practice for labeling art materials for acute and chronic adverse health hazards.	100	---	---

### \*\*\*Section 4 - FIRST AID MEASURES\*\*\*

#### Inhalation

It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.

#### Skin

It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.

## Safety Data Sheet

**Material Name: CRAYOLA® DRY ERASE MARKERS****SDS ID: 00227690****Eyes**

It is unlikely that emergency treatment will be required. Wash with large amounts of water or normal saline until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

**Ingestion**

Contact local poison control center or physician immediately.

**\*\*\*Section 5 - FIRE FIGHTING MEASURES\*\*\***

See Section 9 for Flammability Properties

**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**Flammable Properties**

Slight fire hazard.

**Extinguishing Media**

regular dry chemical, carbon dioxide, water, regular foam

**Fire Fighting Measures**

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products.

**\*\*\*Section 6 - ACCIDENTAL RELEASE MEASURES\*\*\*****Occupational spill/release**

Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

**\*\*\*Section 7 - HANDLING AND STORAGE\*\*\*****Storage Procedures**

Store and handle in accordance with all current regulations and standards. See original container for storage recommendations. Keep separated from incompatible substances.

**\*\*\*Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION\*\*\*****Component Exposure Limits**

ACGIH and EU have not developed exposure limits for any of this product's components.

**Ventilation**

Based on available information, additional ventilation is not required.

**PERSONAL PROTECTIVE EQUIPMENT****Eyes/Face**

Eye protection not required under normal conditions.

**Protective Clothing**

Protective clothing is not required under normal conditions.

**Glove Recommendations**

Protective gloves are not required under normal conditions.

**Respiratory Protection**

No respirator is required under normal conditions of use.

**\*\*\*Section 9 - PHYSICAL AND CHEMICAL PROPERTIES\*\*\***

## Safety Data Sheet

**Material Name: CRAYOLA® DRY ERASE MARKERS**
**SDS ID: 00227690**

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	Not available
<b>Physical Form:</b>		<b>Odor:</b>	Not Available
<b>Odor Threshold:</b>	Not available	<b>pH:</b>	Not available
<b>Melting Point:</b>	Not available	<b>Boiling Point:</b>	Not available
<b>Flash Point:</b>	No data available	<b>Evaporation Rate:</b>	Not available
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density (air = 1):</b>	Not available
<b>Density:</b>	Not available	<b>Specific Gravity (water = 1):</b>	Not available
<b>Water Solubility:</b>	Not available	<b>Coeff. Water/Oil Dist:</b>	Not available
<b>Viscosity:</b>	Not available	<b>Volatility:</b>	Not available

### \* \* \*Section 10 - STABILITY AND REACTIVITY\* \* \*

**Chemical Stability**

Stable at normal temperatures and pressure.

**Conditions to Avoid**

None reported.

**Materials to Avoid**

oxidizing materials

**Decomposition Products**

oxides of carbon

**Possibility of Hazardous Reactions**

Will not polymerize.

### \* \* \*Section 11 - TOXICOLOGICAL INFORMATION\* \* \*

**Component Analysis - LD50/LC50**

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

**RTECS Acute Toxicity (selected)**

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

**Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, or DFG.

**RTECS Irritation**

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

### \* \* \*Section 12 - ECOLOGICAL INFORMATION\* \* \*

**Component Analysis - Aquatic Toxicity**

No LOLI ecotoxicity data are available for this product's components.

### \* \* \*Section 13 - DISPOSAL CONSIDERATIONS\* \* \*

**Disposal Methods**

Dispose in accordance with all applicable regulations.

**Component Waste Numbers**

The U.S. EPA has not published waste numbers for this product's components.



**Safety Data Sheet****Material Name: CRAYOLA® DRY ERASE MARKERS****SDS ID: 00227690****\*\*\*Section 14 - TRANSPORT INFORMATION\*\*\*****US DOT Information**

Not regulated as a hazardous material.

**TDG Information**

Not regulated as dangerous goods.

**ADR Information**

Not regulated as dangerous goods.

**RID Information**

Not regulated as dangerous goods.

**IATA Information**

Not regulated as dangerous goods.

**ICAO Information**

Not regulated as dangerous goods.

**IMDG Information**

Not regulated as dangerous goods.

**\*\*\*Section 15 - REGULATORY INFORMATION\*\*\*****Component Analysis**

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**SARA Section 311/312 (40 CFR 370 Subparts B and C)****Acute Health: No Chronic Health: No Fire: No Pressure: No Reactive: No****Component Analysis - State**

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

Not regulated under California Proposition 65

**Canada**

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**WHMIS Classification:** Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

**Component Analysis - Inventory**

No information is available.

## Safety Data Sheet

**Material Name: CRAYOLA® DRY ERASE MARKERS****SDS ID: 00227690****\*\*\*Section 16 - OTHER INFORMATION\*\*\*****Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

End of Sheet 00227690