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TB27400
V# 010439

MATERIAL SAFETY DATA SHEET

07/15/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer or Distributor:	BANGKIT USA INC 10511 Valley Boulevard El Monte, CA 91731
Telephone Number:	626-672-0888
Emergency Telephone Number:	Call Local Poison Control Center
Product Name:	BAZIC Calculators

SECTION 2: COMPOSITION ON INGREDIENTS

INGREDIENT NAME	CAS#
Polystyrene (PS)	9003-53-6
Polyvinyl Chloride (PVC)	9002-86-2
LCD	N/A
Zinc Manganese Dioxide Battery	
Manganese Dioxide	1313-13-9
Zinc	7440-66-6
Potassium Hydroxide	1310-58-3
Iron	7439-89-6
Zinc oxide	1314-13-2

SECTION 3. HAZARD IDENTIFICATION

This product, when used under reasonable conditions and accordance with the normal use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's direction for use may affect the performance of the product and may present potential health and safety hazards.

Warning: The battery may explode in fire, which could release hydrogen fluoride gas. Use extinguishing median suitable for materials burning in fire.

POTENTIAL HEALTH EFFECTS

Eye Contact : is not expected to occur during normal use of the product.
Skin Contact : is not expected to result in significant irritation during product use.
Inhalation : is not expected to occur during normal use of the product
Ingestion : no health effects are expected.
Reported as carcinogen : Not applicable.

SECTION 4: FIRST AID MEASURES

Inhalation	: Immediately take the person out into fresh air. If any irritation to the respiratory tract persists, seek medical care.
Skin contact	: Wash with soap and water.
Eye contact	: Rinse eyes with water for 15 minutes and seek indexical attention.
Ingestion	: Drink milk/water and induce vomiting; seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: N/A
Extinguishing Media : Dry chemical, CO2
Special Fire-Fighting Procedures : Self-contained breathing apparatus.
Unusual Fire and Explosion Hazards :
Cell may vent when subjected to excessive heat-exposing battery contents.
Hazardous Combustion Products :
Carbon monoxide, carbon dioxide, other irritating or toxic gases.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Procedures to contain and clean up leaks or spills:
In the event of a battery rupture, prevent skin contact and collect all released material in a plastic lined metal container.

Reporting procedure:
Report all spills in accordance with Federal, State and Local reporting requirements.

Waste disposal method:
Earth or sand should be used to absorb the exudation, seal leaking battery and earth in a heavy duty polythene bag and dispose of as special waste in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

Handling precautions:
Do not short circuit or expose to temperature above the temperature rating of the battery. Do not recharge, over-discharge, force discharge, immerse, puncture or crush.

Storage:
Store in a cool place but prevent condensation on cells and batteries. Elevated temperatures can result in shortened battery life and degrade performance. Do not store batteries in high humidity environments for long periods of times.

Batteries may explode or cause burns if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls
Keep away from heat and open flame. Store in a cool and dry place.

Personal Protective Equipment (PPE)

Eye Protection :
Safety glasses with splash guards or side shielding recommended.

Skin Protection :
Use polyethylene or nitrile gloves if frequent skin contact is likely.

Respiratory Protection :
Wear a NIOSH approved self contained breathing apparatus in the pressure demand mode or a fullface supplied air respirator.

Ventilation :
Mechanical ventilation and/or local exhaust, sufficient in pattern and volume to meet tlv requirements.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Solid
Odor	: N/A
Vapor pressure	: N/A
Vapor density	: N/A

Boiling Point	: N/A
Solubility in water	: Insoluble
Specific gravity (water = 1)	: N/A
Density	: N/A

SECTION 10: STABILITY AND REACTIVITY

Stability :
This product is stable under normal storage and handling conditions.

Conditions to avoid :
High temperatures or incinerate, deform, mutilate, crush, pierce, short circuit, expose over a long period to humid conditions.

Materials to avoid :
Oxiding agents, alkalis, water.

Hazardous reactions :
If leaked, forbidden to contact with strong oxidizers, mineral acids, strong alkalis, halogenated hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation, skin contact and eye contact are possible when the battery is opened. Exposure to internal contents, the corrosive fumes will be very irritating to skin, eyes and mucous membranes. Overexposure can cause symptoms of non-fibrotic lung injury and membrane irritation.

SECTION 12: ECOLOGICAL INFORMATION

When promptly used or disposed the battery does not present environmental hazard. When disposed, keep away from water, rain and snow.

SECTION 13: DISPOSAL CONSIDERATIONS

If batteries are still fully charged or only partially discharged, they can be considered a reactive hazardous waste because of significant amount of not reaction or unconsumed manganese remaining in the spent battery. The battery must be neutralized through an approved secondary treatment facility prior to disposal as a hazardous waste. Recycling of battery can be done in authorized facility through licensed waste carrier.

SECTION 14: TRANSPORT INFORMATION

This report applies to by air, by sea, by railway, by road.

According to packaging instruction 970 of IATA DG Regulation Edition (57^{th} are acceptable during in 2016) for transportation.

According to the special provision 188 of IMDG or the <<Recommendations on the Transport of Dangerous Goods-Model Regulations>> (18). The products are not subject to dangerous goods.

More information concerning shipping, testing, marking and packaging can be obtained from label master at http://www.labelmaster.com

Separate Lithium-ion batteries when shipping to prevent short-circuiting. They should be packed in strong packaging for support during transport. Take in a cargo of then without falling, dropping and breakable. Prevent collapse of cargo piles and wet by rain.

SECTION 15: REGULATORY INFORMATION

Battery
OSHA hazard communication standard (29 CFR 1910.1200)
Hazardous

SECTION 16: OTHER INFORMATION

DISCLAIMER: the information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. BAZIC PRODUCTS MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the BAZIC PRODUCTS is fit for particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a BAZIC PRODUCT, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the BAZIC PRODUCTS to determine whether it is fit for a particular purpose and suitable for user's method of use or application.