

MSDS: B9313

M129

ITEM: 5HB63 - PK4 Rechargeable Battery 2400mAh A

ORDER: 0129363349

LP NUMBER: U857035348

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - B9313

Associated Grainger Items
2CUP7, 2CUP8, 4VT93, 4VT99, 3JA20, 3JA21, 3WA27, 3WA28, 5HB63, 5HB64, 5HB66
3AXH9, 3AXH8

RAYOVAC (R*)

MATERIAL SAFETY DATA SHEET

RAYOVAC CORPORATION
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MADISON WI 53711

PHONE: 608-275-3340

FAX: 608-275-4577

HTTP://WWW.RAYOVAC.COM

1. WE WOULD LIKE TO INFORM OUR CUSTOMERS THAT THESE BATTERIES ARE EXEMPT
ARTICLES AND ARE NOT SUBJECT TO THE 29 CFR 1910.1200 OSHA REQUIREMENT, OR
TO THE CANADIAN WHMIS REQUIREMENTS AND THE SHEETS ARE SUPPLIED AS A
SERVICE TO YOU.

FOR OTHER MSDS AND RELATED INFORMATION, VISIT:
HTTP://WWW.RAYOVAC.COM/TECHNICAL/MSDS.HTM.

1. IDENTIFICATION

PRODUCT NAME: NICKEL METAL HYDRIDE BATTERIES

SIZES: ALL

EMERGENCY TELEPHONE NUMBER: 800-424-9300 (24 HR, CHEMTREC)

ENVIRONMENTAL HEALTH & SAFETY INFORMATION: 608-275-2482

EDITION DATE: 07-19-2010

APPROVED BY: KEVIN J. DOMACK

2. INGREDIENTS

Table with 4 columns: INGREDIENT NAME, CAS #, TLV*, and additional details. Rows include NICKEL AND COMPOUNDS, STEEL, POTASSIUM HYDROXIDE, COBALT AND COMPOUNDS, MANGANESE, ALUMINUM, LANTHANIDES, ZINC, WATER, PAPER, PLASTIC, OTHER.

*SOURCE: OSHA 29 CFR 1910.1000 TABLE Z-1, 2 OR 3
3-01-2010

3. PHYSICAL DATA

BOILING POINT @ 760 MMHg (DEG. C): NA
VAPOR PRESSURE (MMHg @ 25 DEG. C): NA
VAPOR DENSITY (AIR = 1): NA
DENSITY (GRAMS/CC): NA
PERCENT VOLATILE BY VOLUME (%): NA
EVAPORATION RATE (BUTYL ACETATE = 1): NA
PHYSICAL STATE: NA
SOLUBILITY IN WATER (% BY WEIGHT): NA
pH: NA
APPEARANCE AND ODOR: GEOMETRIC SOLID OBJECT

4. FIRE & EXPLOSION HAZARD DATA

FLASH POINT: NA
FLAMMABLE LIMITS IN AIR (%): NA
LOWER (LEL): NA
UPPER (UEL): NA
EXTINGUISHING MEDIA: USE WATER, FOM OR DRY POWDER, AS APPROPRIATE.
AUTO-IGNITION: NA

SPECIAL FIRE FIGHTING PROCEDURES:
AS WITH ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS TO AVOID
INHALATION OF HAZARDOUS DECOMPOSITION PRODUCTS (SEE SECTION 2).

SPECIAL FIRE EXPLOSION HAZARDS:
LIKE ANY SEALED CONTAINER, BATTERY CELLS MAY RUPTURE WHEN EXPOSED TO
EXCESSIVE HEAT; THIS COULD RESULT IN THE RELEASE OF FLAMMABLE OR CORROSIVE
MATERIALS.

5. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE (TLV) AND SOURCE: NA
EFFECTS OF OVEREXPOSURE:
NONE. (IN FIRE OR RUPTURE SITUATION SEE SECTION 2 AND SECTION 4)
EMERGENCY FIRST AID PROCEDURES:
SKIN AND EYES:
IN THE EVENT THAT BATTERY RUPTURES, FLUSH EXPOSED SKIN WITH COPIOUS
QUANTITIES OF FLOWING LUKEWARM WATER FOR A MINIMUM OF 15 MINUTES. GET
IMMEDIATE MEDICAL ATTENTION FOR EYES. WASH SKIN WITH SOAP AND WATER.
SWALLOWING:
IF YOU OR YOUR DOCTOR SUSPECTS THAT A BATTERY HAS BEEN INGESTED-FOR
ASSISTANCE IN THE US CALL THE NATIONAL BATTERY INGESTION HOTLINE ANY TIME
AT (202) 625-3333:
IN CANADA CALL: 416-813-5900.
FOR MORE INFORMATION, VISIT:
HTTP://WWW.NEMA.ORG/GOV/EHS/COMMITTEES/DRYBAT/

6. REACTIVITY DATA

STABLE OR UNSTABLE: STABLE
INCOMPATIBILITY (MATERIALS TO AVOID): NA
HAZARDOUS DECOMPOSITION PRODUCTS: NA
DECOMPOSITION TEMPERATURE (0 DEG. F): NA
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: AVOID ELECTRICAL SHORTING.

7. SPILL OR LEAK PROCEDURES

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:
WASTE NICKEL METAL HYDRIDE BATTERIES ARE NOT CONSIDERED A USEPA HAZARDOUS
WASTE. THEIR COLLECTION AND RECYCLING ARE NOT REQUIRED UNDER US FEDERAL
LAW.
CONTACT YOUR BATTERY DISTRIBUTOR FOR DETAILS REGARDING RECYCLING AND
DISPOSAL OPTIONS OR VISIT: HTTP://WWW.RERC.ORG.
FOR ADDITIONAL INFORMATION ON DISPOSAL OR RECYCLING OPTIONS, VISIT:
HTTP://WWW.NEMA.ORG/GOV/EHS/COMMITTEES/DRYBAT/

8. PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): NA
VENTILATION:
LOCAL EXHAUST: NA
MECHANICAL (GENERAL): NA
SPECIAL: NA
OTHER: NA
PROTECTIVE GLOVES: NA
EYE PROTECTION: NA
OTHER PROTECTIVE CLOTHING: NA

9. SPECIAL PRECAUTIONS

HANDLING AND STORAGE:
STORE IN A DRY PLACE. STORING UNPACKAGED CELLS TOGETHER COULD RESULT IN
CELL SHORTING AND HEAT BUILD-UP.
TRANSPORTATION-SHIPING:
THESE ARE CONSIDERED DRY-CELL BATTERIES AND THEY ARE NON-DANGEROUS GOODS
FOR TRANSPORTATION.
US DOT: SEE SPECIAL PROVISION 130
IMDG/OCEAN: NOT LISTED
ICAO/AIR:
SEE SPECIAL PROVISION A123. IT ALSO STATES TO PUT THE WORDS "NOT
RESTRICTED" AND SPECIAL PROVISION A123 ON THE AIR WAYBILL WHEN AN AIR
WAYBILL IS ISSUED.

10. SARA 313

NOTIFICATION IS NOT REQUIRED BECAUSE THESE PRODUCTS ARE ARTICLE(S) THAT
DO NOT RELEASE A COVERED TOXIC CHEMICAL UNDER THE NORMAL CONDITIONS OF
PROCESSING OR USE.

NOTICE:
THE INFORMATION AND RECOMMENDATIONS SET FORTH ARE MADE IN GOOD FAITH AND
ARE BELIEVED TO BE ACCURATE AT THE DATE OF PREPARATION. RAYOVAC
CORPORATION MAKES NO WARRANTY EXPRESSED OR IMPLIED.

NA = NOT APPLICABLE