

MSDS B9313

ITEM: 5HB64 - Rechargeable Battery, 600mAh, AAA, PK 4
DELIVERY: 6252670774
HU NUMBER: U552922582

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

M112

MATERIAL SAFETY DATA SHEET - B9313

Associated Grainger Items
5HP

RA (R)

MATERIAL SAFETY DATA SHEET

RAYOVAC CORPORATION
601 RAYOVAC DRIVE
MADISON WI 53711

PHONE: 608-275-3340

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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 MSDSS 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 -----

INGREDIENT NAME	CAS #	%	TLV*
NICKEL AND COMPOUNDS (SOLUBLE COMPOUNDS, TWA)	7440-02-0	30-40	1.0 MG/M3 (SOLUBLE COMPOUNDS, TWA)
STEEL	15-25		
POTASSIUM HYDROXIDE	1310-58-3	10-15	NOT LISTED (FOR SOLUTION)
COPPER AND COMPOUNDS	7440-48-4	4-8	0.1 MG/M3 (TWA)
MANGANESE	7439-96-5	<2	C: 5.0 MG/M3 (TWA)
ALUMINUM	7429-90-5	<1	15 MG/M3 (TOTAL DUST, TWA)
LANTHANIDES, ZINC	7440-66-6 (Zn)	5-20	5 MG/M3 (ZnO, FUME, TWA)
WATER, PAPER, PLASTIC, OTHER		BALANCE	

*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 FL: NA
UPPER FL: NA

EXTINGUISHING MEDIA: USE WATER, FOAM 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.RBRC.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.