

224

ITEM: 4WT09 - Battery 1.5 V AA Pk24

MSDS: A6974

ORDER: 0018572410

LP NUMBER: U440274198

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 - A6974

Associated Grainger Items
6XT34, 1WC71, 1WC72, 1WC73, 1WC74, 2V421, 2V422, 2V532, 2V533, 2V534, 4WT07
4WT08, 4WT09, 4WT11, 5U076, 4LW07, 4LW13, 4LV99, 5U813, 3WA30, 3WA31, 3WA32
3WA33, 3WA34, 2ZE21

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MATERIAL SAFETY DATA SHEET

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/CUSTOMER/MSDS/MSDS.SHITML.

2. THESE BATTERIES ARE SUITABLE FOR LANDFILL DISPOSAL (SEE SECTION 7).

1. IDENTIFICATION

PRODUCT NAME: ALKALINE BATTERIES - "NO MERCURY" FORMULA

SIZES: ALL

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

ENVIRONMENTAL HEALTH & SAFETY INFORMATION: 262-523-9000

EDITION DATE: 03/01/2004

APPROVED BY: KEVIN J. DOMACK

2. INGREDIENTS

Table with 4 columns: INGREDIENT NAME, CAS #, %, TLV*. Rows include MANGANESE DIOXIDE, STEEL, ZINC, POTASSIUM HYDROXIDE, GRAPHITE, BARIUM SULFATE, WATER, PAPER, PLASTIC, OTHER.

*SOURCE:
ACGIH THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS,
2003.

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, 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:
INGESTION OF A BATTERY CAN BE HARMFUL. CALL THE NATIONAL CAPITAL POISON
CONTROL CENTER (202-625-3333 - COLLECT) OR YOUR LOCAL POISON CONTROL CENTER
(800-222-1222), DAY OR NIGHT - FOR ADVICE AND FOLLOW-UP.

FOR MORE INFORMATION, VISIT: HTTP://WWW.NEMA.ORG/INDEX_NEMA.CFM/666.

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:
WHEN SHREDDED PER TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (TCLP)
PARAMETERS AND TESTED PER SW 846, 3RD EDITION, TEST METHODS FOR EVALUATING
SOLID WASTE, INDEPENDENT CERTIFIED LABORATORY ANALYSES HAVE INDICATED THESE
RAYOVAC BATTERY TYPES TO HAVE NO HAZARDOUS WASTE CHARACTERISTICS (PER 40
CFR, PART 261.24) AND CAN BE LANDFILLED IF ALL OTHER FEDERAL, STATE AND
LOCAL REGULATIONS ARE COMPLIED WITH. TCLP DATA IS AVAILABLE UPON REQUEST.
FOR ADDITIONAL INFORMATION ON DISPOSAL OR RECYCLING OPTIONS, VISIT:
HTTP://WWW.RAYOVAC.COM/ABOUT/ENVIRONMENTAL/E_FAQ.SHITML.

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-SHIPPING:
THESE ARE "BATTERIES, DRY" AND ARE NOT CONSIDERED TO BE A "HAZARDOUS
MATERIAL" PER THE DEPT. OF TRANSPORTATION (USDOT) REGULATIONS OR "DANGEROUS
GOODS" PER THE INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA) REGULATIONS.
SHIPMENTS MUST COMPLY WITH THE GENERAL DUTY CLAUSE OF USDOT 49 CFR 172.102
(A) (1) SPECIAL PROVISION 130, "TO PREVENT SHORTING POTENTIAL WHILE
TRANSPORTING."

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