

MARATHON POWER TECHNOLOGIES, B -- NICKEL CADMIUM BATTERY,29147-4

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MSDS Safety Information

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FSC: 6140  
NIIN: 01-089-8134  
MSDS Date: 11/18/1996  
MSDS Num: CDJSF  
Product ID: NICKEL CADMIUM BATTERY,29147-4  
MFN: 02  
Responsible Party  
Cage: 74025  
Name: MARATHON POWER TECHNOLOGIES, BATTERY PRODUCTS  
Address: 8301 IMPERIAL DRIVE  
Box: 8233  
City: WACO TX 75714-8233  
Info Phone Number: 817-776-0650  
Emergency Phone Number: 817-776-0650/800-424-9300(CHEMTREC)  
Preparer's Name: UNKNOWN  
Proprietary Ind: Y  
Review Ind: Y  
Published: Y

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Contractor Summary

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Cage: 74025  
Name: MARATHON POWER TECHNOLOGIES CO  
Address: 8301 IMPERIAL DR  
City: WACO TX 76712-6588  
Phone: 254-741-5405

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Item Description Information

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Item Manager: S9G  
Item Name: BATTERY,STORAGE  
Unit of Issue: EA  
UI Container Qty: 1

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Ingredients

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Name: \*\*\* PROPRIETARY \*\*\*

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Health Hazards Data

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D50 LC50 Mixture: LD50 (ORAL, RAT) IS NOT RELEVANT.

Route Of Entry Inds - Inhalation: NO

Skin: NO

Ingestion: YES

Carcinogenicity Inds - NTP: YES

IARC: YES

OSHA: YES

Effects of Exposure: TARGET ORGANS:EYES, SKIN, RESPIRATORY, GI TRACTS. ACUTE-CONTENTS OF AN OPEN BATTERY (KOH) CAN CAUSE SEVERE IRRITATION/BURNS TO TISSUE CONTACTED. CAN CAUSE BLINDNESS. NICKEL MAY CAUSE SKIN SENSITIZATION. INGESTION CAN BE HARMFUL/FATAL. CHRONIC- CADMIUM MAY CAUSE LUNG OR KIDNEY DAMAGE. NICKEL MAY CAUSE LUNG DAMAGE.

Explanation Of Carcinogenicity: CONTAINS CADMIUM [7440-43-9] WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN. ALSO CONTAINS NICKEL

Signs And Symptoms Of Overexposure: NONE UNDER NORMAL CONDITIONS OF USE. IF LEAKING OR INCINERATED: SEVERE IRRITATION, BURNS, CHEST PAIN, COUGHING, SWEATING, CHILLS, SHORTNESS OF BREATH, WEAKNESS, BLINDNESS, NICKEL ITCH

Medical Cond Aggravated By Exposure: IF INCINERATED, PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS

OR IMPAIRED LIVER, KIDNEY, PROSTATE OR

RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

First Aid: GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN:IF CONTACT WITH POTASSIUM HYDROXIDE ELECTROLYTE, IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. MILD ACID (VINEGAR) MAY BE USED TO NEUTRALIZE KOH ON SKIN. INHALED:REMOVETO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED.

ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER OR

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LK.

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## Handling and Disposal

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Spill Release Procedures: BATTERY AND CELL CASES WILL NORMALLY CONTAIN MATERIALS OF CONCERN. USE INDUSTRIAL ABSORBENT TO COLLECT LIQUID POTASSIUM HYDROXIDE. WEAR RUBBER GLOVES. NEUTRALIZE WITH CITRIC ACID.

Neutralizing Agent: CITRIC ACID

Waste Disposal Methods: CELLS AND BATTERIES MAY BE RETURNED AT SENDERS EXPENSE TO A PERMITTED TREATMENT, STORAGE, DISP

OSAL FACILITY (TSDF). DISPOSAL MUST BE

MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAW S AND REGULATIONS.

Handling And Storage Precautions: DO NOT INVERT. DO NOT SHORT CIRCUIT. AVOID BREAKING, CRUSHING OR OTHERWISE DESTROYING THE PHYSICAL INTEGRITY OF THE CELL OR BATTERY.

Other Precautions: DO NOT INCINERATE. DO NOT TOUCH BROKEN OR LEAKING BATTERIES. WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING FUMES. KEEP OUT OF REACH OF SMALL CHILDREN. NO SMOKING DURING BATTE

RY CHARGING. ALWAYS USE EXTREME CARE.  
AVOID OPEN FLAME.

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Fire and Explosion Hazard Information

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Flash Point Text: NONE

Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.

Unusual Fire/Explosion Hazard: CADMIUM AND NICKEL FUMES ARE TOXIC AND CAN CAUSE DEATH.

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Control Measures

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Respiratory Protection: IF INCINERATED, USE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPIRATOR WITH FULL FACEPIECE, OPERATED IN POSITIVE PRESSURE MODE.

Ventilation: USE ADEQUATE LOCAL EXHAUST VENTILATION WHEN FUMES PRESENT.

Protective Gloves: NEOPRENE, NITRILE FOR LEAKERS

Eye Protection: CHEMICAL SPLASH GOGGLES FOR LEAKERS

Other Protective Equipment: EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

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Physical/Chemical Properties

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HCC: B1

NRC

/State LIC No: NOT RELEVANT

Spec Gravity: NOT RELEVANT

Viscosity: NOT RELEVANT

Evaporation Rate & Reference: NOT RELEVANT

Solubility in Water: NOT RELEVANT

Appearance and Odor: BATTERY - NO ODOR

Corrosion Rate: UNKNOWN

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Reactivity Data

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Stability Indicator: YES

Stability Condition To Avoid: EXCESSIVE HEAT, FIRE

Materials To Avoid: STRONG OXIDIZING AGENTS, NITRATES, NITRIC ACID

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DOT PSN Code: BQP  
DOT Proper Shipping Name: BATTERIES, WET, FILLED WITH ALKALI  
DOT PSN Modifier: ELECTRIC STORAGE  
Hazard Class: 8  
UN ID Num: UN2795  
DOT Packaging Group: III  
Label: CORROSIVE  
Non Bulk Pack: 159  
Bulk Pack: 159  
Max Qty Pass: 30 KG GRO  
Max Qty Cargo: NO LIMIT  
Vessel Stow Req: A

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Detail IMO Information

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IMO PSN Code: BWF  
IMO Proper Shipping Name: BATTERIES, WET, FILLED WITH ALKALI  
IMO PSN Modifier: ,ELECTRIC STORAGE  
IMDG Page Number: 8120  
UN Number: 2795  
UN Hazard Class: 8  
IMO Packaging Group: III  
Subsidiary Risk Label: -  
EMS Number: 8-10  
MED First Aid Guide NUM: 705

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Detail IATA Information

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IATA PSN Code: CZR  
IATA UN ID Num: 2795  
IATA Proper Shipping Name: BATTERIES, WET, FILLED WITH ALKALI,  
IATA PSN Modifier: E  
ELECTRIC STORAGE +  
IATA UN Class: 8  
IATA Label: CORROSIVE  
UN Packing Group: III  
Packing Note Passenger: 800  
Max Quant Pass: NO LIMIT  
Max Quant Cargo: NO LIMIT  
Packaging Note Cargo: 800  
Exceptions: A51

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Detail AFI Information

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AFI PSN Code: CZR  
AFI Proper Shipping Name: BATTERIES, WET, FILLED WITH ALKALI  
AFI PSN Modifier: ,ELECTRIC STORAGE  
AFI Hazard Class: 8  
AFI UN ID NUM: UN2795  
AFI Pac

king Group: III  
Special Provisions: P5  
Back Pack Reference: A12.5

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HAZCOM Label

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Product ID: NICKEL CADMIUM BATTERY,29147-4  
Cage: 74025  
Company Name: MARATHON POWER TECHNOLOGIES CO  
Street: 8301 IMPERIAL DR  
City: WACO TX  
Zipcode: 76712-6588  
Health Emergency Phone: 817-776-0650/800-424-9300(CHEMTREC)  
Label Required IND: Y  
Date Of Label Review: 03/24/1997  
Status Code: C  
MFG Label NO: UNKNO  
WN  
Label Date: 03/24/1997  
Origination Code: F  
Signal Word: CAUTION  
Health Hazard: Slight  
Contact Hazard: Slight  
Fire Hazard: None  
Reactivity Hazard: None  
Hazard And Precautions: TARGET ORGANS:EYES, SKIN, RESPIRATORY, GI TRACTS.

ACUTE- CONTENTS OF AN OPEN BATTERY CAN CAUSE SEVERE BURNS. NICKEL MAY CAUSE SKIN SENSITIZATION. INGESTION CAN BE HARMFUL/FATAL. CHRONIC- CADMIUM MAY CAUSE LUNG/KIDNEY DAMAGE. STORE IN COOL/DRY PLACE. USE ABSORBENT TO COLLECT ELECTROLYTE. NEUTRALIZE WITH CITRIC AC  
ID. FIRST AID- GET MEDICAL ATTENTION.  
EYE/SKIN:IF CONTACT WITH ELECTROLYTE, IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. MILD ACID (VINEGAR) MAY BEUSED TO NEUTRALIZE KOH ON SKIN. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING. I F CONSCIOUS, DRINK LARGE AMOUNT OF WATER OR MILK.

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