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## 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 IMPERI

AL 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 SENSITIZATI ON.

INGESTION CAN BE HARMFUL/FATAL. CHRONIC- CADMIUM MAY CAUSE LUNG OR KIDNEY

DAMAGE. NICKEL MAY CAUSE LU

NG 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 Symptions 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 MI

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 DECOM

POSITION 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 P

RESENT.

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 & Evaporation R

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

Hazar

dous Decomposition Products: TOXIC FUMES OF CADMIUM OXIDE, NICKEL OXIDE MAY BE FORMED. Hazardous Polymerization Indicator: NO Conditions To Avoid Polymerization: NOT RELEVANT \_\_\_\_\_ **Toxicological Information** \_\_\_\_\_ -----**Ecological Information** \_\_\_\_\_\_ **MSDS** Transport Information \_\_\_\_\_ \_\_\_\_\_ Regulatory Information \_\_\_\_\_ -----Other Information \_\_\_\_\_ Transportation Information \_\_\_\_\_\_ R esponsible Party Cage: 74025 Trans ID NO: 106593 Product ID: NICKEL CADMIUM BATTERY,29147-4 MSDS Prepared Date: 11/18/1996 Review Date: 03/24/1997 MFN: 2 Radioactivity: NOT RELEVANT Net Unit Weight: 3.19LBS KOH Multiple KIT Number: 0 Review IND: Y Unit Of Issue: EA Container QTY: 1 Additional Data: PROPER SHIPPING NAME, UN ID NUMBER PER MSDS. THERE IS 3/4 QT OF POTASSIUM HYDROXIDE IN EACH BATTERY (MFR). **Detail DOT Information** ========

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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 Reg: A

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**Detail IMO Information** 

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IMO PSN Code: BWF

**IMO Prope** 

r 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 LECTRIC 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 C AUSE 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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