

MARATHON POWER TECHNOLOGIES, B -- NICKEL CADMIUM BATTERY,29715-01 C

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MSDS Safety Information
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FSC: 6140
NIIN: 01-110-3855
MSDS Date: 11/21/1997
MSDS Num: BPKYJ
Product ID: NICKEL CADMIUM BATTERY,29715-01 C
MFN: 01
Responsible Party
Cage: 74025
Name: MARATHON POWER TECHNOLOGIES, BATTERY PRODUCTS
Address: 8301 IM
PERIAL DRIVE
Box: 8233
City: WACO TX 75714-8233
Info Phone Number: 254-776-0650
Emergency Phone Number: 254-776-0650/800-424-9300(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 ASSEMBLY
Specification Number: MIL-B-81757C OR /9C
Type/Grade/Class: P/N M81757/9-2
Unit of Issue: EA
UI Container Qty: 1
Type of Container: BATTERY

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 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

Me

dical 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: REMOVE TO FRESH AIR.

PROVIDE OXYGEN/CPR IF NEEDED.

ORAL: DO NOT INDUCE VOMITING.

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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, DISPOSAL FACILITY (TSDF). DISPOSAL MUST BE MADE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS 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 BATTERY 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

Lower Limits: NOT RELEVANT

Upper Limits: NOT RELEVANT

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

Fire Fighting P

cedures: WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED

SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE
PRESSURE MODE.

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: Z5

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

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bility Condition To Avoid: EXCESSIVE HEAT, FIRE

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

Hazardous Decomposition Products: TOXIC FUMES OF CADMIUM OXIDE, NICKEL OXIDE
MAY BE FORMED.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT

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Toxicological Information

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Ecologic
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MSDS Transport Information

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Regulatory Information

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Other Information

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Transportation Information

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Responsible Party Cage: 74025

Trans ID NO: 108117

Product ID: NICKEL CADMIUM BATTERY,29715-01 C

MSDS Prepared Date: 11/21/1997

Review Date: 10/02/1998

MFN: 1

Radioactivity: NOT RELEVANT

Net Unit Weight: 84 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: EA

Container QTY: 1

Type Of Container: BATTERY

Additional Data: PROPER SHIPPING NAME, HAZARD CLASS PER CTDF.

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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 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
IAT
A Proper Shipping Name: BATTERIES, WET, FILLED WITH ALKALI,
IATA PSN Modifier: 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 P

SN Modifier: ,ELECTRIC STORAGE

AFI Hazard Class: 8

AFI UN ID NUM: UN2795

AFI Packing 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,29715-01 C

Cage: 74025

Company Name: MARATHON POWER TECHNOLOGIES CO

Street: 8301 IMPERIAL DR

City: WACO TX

Zipcode: 76712-6588

Health Emergency Phone: 254-776-0650/800-424-9300(CHEMTREC)

Label

Required IND: Y

Date Of Label Review: 10/02/1998

Status Code: C

MFG Label NO: UNKNOWN

Label Date: 10/02/1998

Year Procured: 1998

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Severe

Contact Hazard: Severe

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 IRRITATION/BURNS, SKIN SENSITIZA

TION, BLINDNESS. INGESTION CAN BE HARMFUL/FATAL. CHRONIC- MAY CAUSE LUNG/KIDNEY DAMAGE. DO NOT INVERT. IF SPILLED, USE INDUSTRIAL ABSORBENT TO COLLECT LIQUID POTASSIUM HYDROXIDE. NEUTRALIZE WITH CITRIC ACID. FIRST AID- GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN: IF CONTACT WITH 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: REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED.

ORAL: DO NOT INDUCE VOMITING.

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