

MARATHON POWER TECHNOLOGIES -- NICKEL CADMIUM BATTERY P/N 19205-001 --
6135-01-051-7836

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===== Product Identification =====

Product ID:NICKEL CADMIUM BATTERY P/N 19205-001
MSDS Date:11/01/1995
FSC:6135
NIIN:01-051-7836
MSDS Number: CBTDC
=== Responsible Party ===
Company Name:MARATHON POWER TECHNOLOGIES
Address:8301 IMPERIAL DRIVE
Box:8233
City:WACO
State:TX
ZIP:76714-8233
Country:US
Info Phone Nu
m:817-776-0650
Emergency Phone Num:817-776-0650,800-424-9300(CHEMTREC)
CAGE:74025

==== Contractor Identification ====
Company Name:CAMPBELL INDUSTRIES (209-464-0132)
Box:UNKNOW
CAGE:1EB31
Company Name:MARATHON POWER TECHNOLOGIES CO
Address:8301 IMPERIAL DR
Box:City:WACO
State:TX
ZIP:76712-6588
Country:US
Phone:254-741-5405
CAGE:74025

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===== Composition/Information on Ingredients =====

Ingred Name:CADMIUM (SARA 313) (CERCLA)
CAS:7440-43-9
RTECS #:EU9800000
Other REC Limits:NONE S

PECIFIED
OSHA PEL:0.2 MG/M3 DUST; Z-2
ACGIH TLV:0.01 MG/M3 DUST;9596
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM HYDROXIDE
CAS:21041-95-2
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.05 MG CD/M3
ACGIH TLV:0.05 MG CD/M3

Ingred Name:NICKEL (SARA 313) (CERCLA)
CAS:7440-02-0
RTECS #:QR5950000
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9596

Ingred Name:NICKEL HYDROXIDE (SARA 313) (CERCLA)
CAS:12054-48-7
RTECS #:QR7040000
Other REC Limits:NONE SPECIFIED
OSHA PEL
:1 MG(NI)/M3
ACGIH TLV:0.1 MG(NI)/M3; 9596
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)
CAS:1310-58-3
RTECS #:TT2100000
Other REC Limits:NONE SPECIFIED
OSHA PEL:C 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:UNDER NORMA

L CONDITIONS OF USE, NO

EXPOSURE TO HAZARDOUS COMPOUNDS EXISTS. IF INCINERATED, INHALATION OF FUMES MAY CAUSE RESPIRATORY SYSTEM IRRITATION, FUMES WILL IRRITATE EYE TISSUE (ACUTE) ; CHRONIC EXPOSURE MAY CAUSE KIDNEY DYSFUNCTION AND LUNG INJURY.

Explanation of Carcinogenicity:NICKEL AND CADMIUM ARE LISTED AS POTENTIAL CARCINOGENS BY NTP, IARC AND OSHA.

Effects of Overexposure:IF INCINERATED, CHEST PAIN, COUGHING, SWEATING, CHILLS, SHORTNESS OF BREATH AND WEAKNESS ALONG WITH POSSIBLE EYE IRRITATION.

Medical Cond Aggravated by Exposure:IF INCINERATED, RESPIRATORY SYSTEM DISORDERS, PROSTATE DISORDERS, LIVER AND KIDNEY DISORDERS, VISION PROBLEMS.

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===== First Aid Measures =====

First Aid:IF CONTACT WITH POTASSIUM HYDROXIDE ELECTROLYTE, FLUSH WITH WATER FOR 15 MINUTES AND CONTACT PHYSICIAN; IF INHALED, REMOVE FROM EXPOSURE AND CONTACT PHYSICIAN.

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===== Fire Fighting Measures =====
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Flash Point:NONE.

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE-PIECE OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:CONTACT WITH STRONG OXIDIZERS MAY CAUSE FIRE OR EXPLOSION. CADMIUM AND NICKEL FUMES ARE TOXIC AND CAN CAUSE DEATH.

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===== Accidental Release Measures =====

Spill Release Procedures:BATTERY AND CELL CASES WILL NORMALLY CONTAIN MATERIALS OF CONCERN. USE INDUSTRIAL ABSORBENT TO COLLECT LIQUID POTASSIUM HYDROXIDE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== Handling and Storage =====

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

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r Precautions:NONE SPECIFIED BY MANUFACTURER.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:POTASSIUM HYDROXIDE SOLUTION WEAR A DUST OR MIST MASK.

Ventilation:USE ADEQUATE LOCAL EXHAUST VENTILATION WHEN HANDLING THE LIQUID.

Protective Gloves:RUBBER GLOVES FOR HANDLING LEAKERS.

Eye Protection:EYE GOGGLES AND FACE SHIELD FOR LEAKERS.

Other Protective Equipment:FOR HANDLING INGREDIENTS, WEAR CLOTHING TO MINIMIZE SKIN CONTACT.

Work Hygienic

Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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===== Physical/Chemical Properties =====

HCC:B1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NOT GIVEN

Appearance and Odor:BATTERY. N

O ODOR.

Percent Volatiles by Volume:NIL

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, NITRATES, NITRIC ACID.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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===== Disposal Considerations =====

Waste Disposal Methods:CELLS AND BATTERIES MAY BE RETURNED AT SENDERS EXPENSE TO MARATHON POWER TEC

TECHNOLOGIES. DISPOSAL SHALL BE BY
APPROVED METHODS.

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