

MARATHON POWER TECHNOLOGIES -- 6140 NICKEL CADMIUM BATTERY -- 6140-00-959-4180

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

Product ID:6140 NICKEL CADMIUM BATTERY

MSDS Date:11/01/1995

FSC:6140

NIIN:00-959-4180

MSDS Number: BZFYC

=== Responsible Party ===

Company Name:MARATHON POWER TECHNOLOGIES

Address:8301 IMPERIAL DR

Box:8233

City:WACO

State:TX

ZIP:76714-8233

Country:US

Info Phone Num:817-776-0650

Emergen

cy Phone Num:817-776-0650

CAGE:74025

=== Contractor Identification ===

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

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

Ingred Name:CADMIUM (SUSPECTED HUMAN CARCINOGEN BY IARC, SUPSECTED
CARCINOGEN BY NTP, IARC - GROUP 1) *96-2*

CAS:7440-43-9

RTECS #:EU9800000

Other REC Limits:A2 CARCINOGEN

OSHA PEL:0.05 MG/CUM (CD)

ACGIH TL

V:2 MG/CUM
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM HYDROXIDE (SUSPECTED HUMAN CARCINOGEN BY IARC,
SUSPECTED ANIMAL CARCINOGEN BY IARC - GROUP 1) *96-2*
CAS:21041-95-2
OSHA PEL:0.05 MG/CUM (CD)
ACGIH TLV:0.06 MG/CUM

Ingred Name:NICKEL (SUSPECTED ANIMAL/HUMAN CARCINOGEN BY IARC GROUP 2B,
SUSPECTED CARCINOGEN BY NTP) *96-2*
CAS:7440-02-0
RTECS #:QR5950000
Other REC Limits:1 MG/CUM
OSHA PEL:1 MG/CUM
ACGIH TLV:1 MG/CUM IC

Ingred Name:NICKEL HYDROXIDE (SUSPECTED CARCIN
OGEN BY NTP, IARC GROUP
2B) *96-2*
CAS:12054-48-7
RTECS #:OR7040000
OSHA PEL:1 PPM
ACGIH TLV:1 PPM
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM HYDROXIDE
CAS:1310-58-3
RTECS #:TT2100000
Other REC Limits:2 MG/CUM (CEILING)
OSHA PEL:2 MG/CUM
ACGIH TLV:2 MG/CUM (CEILING)
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:LITHIUM HYDROXIDE
CAS:1310-65-2
RTECS #:OJ6307070
OSHA PEL:0.025 MG/CUM
ACGIH TLV:0.025 MG/CUM

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

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Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:INHALATION: FUMES MAY CAUSE
RESPIRATORY SYSTEM IRRITATION. EYES: IRRITATE TISSUES. EXPOSURE MAY
CAUSE KIDNEY DYSFUNCTION & LUNG INJURY. CADMIUM & NICKEL FUMES ARE
TOXIC & CAN CAUSE DEATH.
Explanation of Carcinogenicity:SEE INGREDIENTS.
Effects of Overexposure:IRRITATION, CHEST PAIN, COUGHING, SWEATING,
CHILLS, SHORTNESS OF BR
EATH, WEAKNESS.
Medical Cond Aggravated by Exposure:RESPIRATORY SYSTEM DISORDERS,
PROSTATE DISORDERS, LIVER & KIDNEY DISORDERS, VISION PROBLEMS.

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

First Aid:EYES: FLUSH W/WATER FOR 15 MINS. INHALATION: REMOVE TO FRESH
AIR. OBTAIN MEDICAL ATTENTION IN ALL CASES.

===== Fire Fighting Measures =====

Flash Point:NONE
Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING
FIRE.
Fire Fighting Procedures:WEAR PROPER PROTECTIVE EQUIPMENT & SCBA W/FULL
FACE PIECE OPERATED IN POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard:CONTACT W/STRONG OXIDIZERS MAY CAUSE
FIRE/EXPLOSION.

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

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

===== Handling and Storage ==
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Handling and Storage Precautions:FOR TRANSPORTATION PURPOSES THESE
SEALED NICKEL CADMIUM BATTERIES ARE NON-HAZARDOUS & NOT SUBJECT TO
ANY OF THE PROVISIONS REGULATED.
Other Precautions:DON'T INVERT. AVOID BREATHING CRUSHING/OTHERWISE
DESTROYING THE PHYSICAL INTERGRITY OF THE CELL/BATTERY.

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

Respiratory Protection:WEAR A DUST/MIST MASK WHEN HANDLING THE LIQUID
IN THE BATTERY, POSTASSIUM HYDRO

XIDE SOLUTION.
Ventilation:LOCAL EXHAUST
Protective Gloves:RUBBER
Eye Protection:GOGGLES/FACE SHIELD
Other Protective Equipment:PROTECTIVE CLOTHING TO MINIMIZE SKIN CONTACT.
Supplemental Safety and Health
BOILING POINT: 765F CADMIUM. MELTING POINT: 320.9F CADMIUM. SPECIFIC GRAVITY IS FOR POTASSIUM HYDROXIDE.

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

HCC:N1
Boiling Pt:B.P. Text:(SEE SUPP)
Melt/Freeze Pt:M.P/F.P Text:(SEE SUPP)
Spec Gravity:2.044
Solubility in
Water:INSOLUBLE (CADMIUM)

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, NITRITE, NITRIC ACID.
Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:CELLS & BATTERIES MAY BE RETURNED AT SENDERS EXPENSE TO A PERMITTED TREATMENT, STORAGE, DISPOSAL FACILITY IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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