

MARATHON POWER TECHNOLOGIES -- BATTERY,STORAGE -- 6140-01-069-7376

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Product Identification
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Product ID:BATTERY,STORAGE

MSDS Date:11/21/1997

FSC:6140

NIIN:01-069-7376

MSDS Number: BLMVT

=== Responsible Party ===

Company Name:MARATHON POWER TECHNOLOGIES

Address:8301 IMPERIAL DRIVE

Box:8233

City:WACO

State:TX

ZIP:76714-8233

Country:US

Info Phone Num:817-776-0650

Emergency Phone Num:817-776

-0650(75)

Resp. Party Other MSDS Num.:P/N: 25468-1

Chemtrec Ind/Phone:(800)424-9300

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

Company Name:TRIMAN INDUSTRIES INC

Address:420 COMMERCE LN SUITE 8

Box:City:WEST BERLIN

State:NJ

ZIP:08091

Country:US

Phone:856-767-7945 /FAX: 856-767-7154

Contract Num:SP0430-00-M-KG05

CAGE:0ZBE8

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Compositio

n/Information on Ingredients =====

Ingred Name:CADMIUM (SARA III)
CAS:7440-43-9
RTECS #:EU9800000
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE 1910.1027
ACGIH TLV:0.01 MG/M3 DUST;9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM HYDROXIDE
Other REC Limits:NONE SPECIFIED

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:NICKEL HYDROXIDE (SARA III)
CAS:12054-48-7
RTECS #:QR
7040000
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG NI/M3
ACGIH TLV:0.1 MG NI/M3; 9293
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Other REC Limits:NONE SPECIFIED
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL (RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports

of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE AND CHRONIC: UNDER NORMAL
CONDITIONS OF USE, NO EXPOSURE TO HAZARDOUS COMPONENTS EXISTS. IF
INCINERATED, INHALATION OF FUMES MAY CAUSE RESPIRATORY SYSTEMS
IRRITATION, FUMES WILL ALSO IRRITATE EYE TISSUES (ACUTE); CHRONIC
EXPOSURE MAY CAUSE KIDNEY DYSFUNCTION AND LUNG INJURY.

Explanation of Carcinogenicity:NOT ESTABLISHED FOR BATTERIES. 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 SYSTEMS
DISORDERS, PROSTRATE 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 =====

Flash Point:NONE

Extinguishing Media:USE EXTINGUISHING MEANS 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 OXIDI
ZERS 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:HANDLING-DO NO

T INVERT.AVOID

BREAKING,CRUSHING OR OTHERWISE DESTROYING THE PHYSICAL INTEGRITY OF THE CELL OR BATTERY.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.

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

Protective Gloves:RUBBER GLOVES

Eye Protection:SAFETY GOGGLES AND FACE SHIELD

Other Protective Equipment:WEAR PROTECTIVE CLOTHING TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

MARATHON P/N: 25468-1

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

HCC:B1

Boiling Pt:=407.2C, 765.F

B.P. Text:CADMIUM

Melt/Freeze Pt:=160.6C, 321.F

M.P/F.P Text:CADMIUM

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER COLOR METAL; NO ODOR.

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

Stability Indicator/Materia

Is to Avoid:YES

STRONG OXIDIZING AGENTS, NITRATES, NITRIC ACID

Hazardous Decomposition Products:NONE

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:CELLS AND BATTERIES MAY BE RETURNED AT SENDERS EXPENSE TO MARATHON POWER TECHNOLOGIES. DISPOSAL SHALL BE BY APPROVED METHODS.

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===== MSDS Transport Information =====

Transport Information:PER MFR: BATTERY, WET, FILLE

D WITH ALKALI, 8,
UN2795, III.

===== Other Information =====

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