

MARATHON POWER TECHNOLOGIES CO -- BATTERY, STORAGE -- 6140-00-712-3051

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Product Identification  
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Product ID: BATTERY, STORAGE

MSDS Date: 12/09/1992

FSC: 6140

NIIN: 00-712-3051

MSDS Number: BJSGQ

=== Responsible Party ===

Company Name: MARATHON POWER TECHNOLOGIES CO

Address: 8301 IMPERIAL DR

Box: 8233

City: WACO

State: TX

ZIP: 76712-6588

Country: US

Info Phone Num: 254-741-5405

Emergency Phone Num: 25

4-741-5405

Preparer's Name: B. MULLER

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

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Composition/Information on Ingredients  
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Ingred Name: CADMIUM (SARA III)

CAS: 7440-43-9

RTECS #: EU9800000

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. BP = N/A; S

PEC GRAV = 4.79; MP = DECOMP

300; SOL IN H\*2O = INSOL; APPEAR/ODOR = ODORLESS, WHITE SALT.

CAS:21041-95-2

OSHA PEL:0.2 MG/M3 (AS CD)

ACGIH TLV:0.05 MG/M3 (AS CD)

Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name:NICKEL HYDROXIDE (SARA III)

CAS:12054-48-7

RTECS #:QR7040000

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

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:LD50:CADMIUM (ORAL) 225 MG/KG (RAT)

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:CD & CD HYDROXIDE:OVEREXP TO VAPS MAY CAUSE IRRIT OF MUC MEMB, DRYNESS OF MOUTH & THROAT, HDCH, NAUS & DIZZ. INHAL:HARMFUL/F

ATAL. CHRONIC:CD CMPDS FROM LOW LEV EXPOS IN

AIR MAY CAUSE IRREVERSIBLE LUNG INJURY, KIDNEY DISEASE & OTHER ADVERSEEFTS. INGEST:NAUS VOMIT, DIARR & ABDOM CRAMPS. (SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:CADMIUM: CLASS 2A (IARC), CLASS 2 (NTP).

NICKEL: CLASS 1 (IARC), CLASS 2 (NTP).

Effects of Overexposure:HLTH HAZ:NICKEL & NICKEL COMPOUNDS:RPTD CONT W/SKIN MAY CAUSE SENSITIVITY & ALLERGIC SKIN RASHES. POTASSIUM HYDROXIDE:INHAL OF AIRBORNE DUST OR MISTS MAY CA

USE DMG TO UPPER

RESP TRACT & EVEN TO LUNG T ISS WHICH COULD PRODUCE CHEM PNEUM.  
MATL IS DESTRUCTIVE TO SKIN TISS, EYE TISS & MOUTH, THROAT, STOMACH  
TISS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE: FLUSH FOR FIFTEEN MINUTES WITH WATER. SKIN: WASH WITH  
WATER. INGEST: IF PATIENT IS CONSCIOUS GIVE LARGE QUANTITIES OF  
WATER. DO NOT INDUCE VOMIT. GET MED ATTN IMMED. INHAL  
: REMOVE TO  
FRESH AIR. S UPPORT BREATHING (O\*2/ARTIFICIAL RESPIRATION) .

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING  
FIRE.

Fire Fighting Procedures:NIOSH/MSHA APPROVED SCBA AND PROPER PROTECTIVE  
EQUIPMENT WITH FULL FACE-PIECE OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:CONTACT WITH STRONG OXIDIZERS MAY CAUSE  
FIRE/EXPLOSION. CADMIUM & N  
ICKEL 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 DESTROYI  
NG THE PHYSICAL INTEGRITY OF THE CELL  
OR BATTERY.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:WEAR NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE  
FOR EXPOSURE OF CONCERN .

Ventilation:ADEQUATE LOCAL EXHAUST VENT WHEN HANDLING THE LIQUID.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:W

ASH FREQUENTLY AND THOROUGHLY DURING CONTACT  
WITH MATERIAL AND AT END OF WORKDAY .

Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

HCC:Z5  
Boiling Pt:B.P. Text:SEE INGRED  
Melt/Freeze Pt:M.P/F.P Text:SEE INGRED  
Spec Gravity:SEE INGRED  
Solubility in Water:SEE INGRED  
Appearance and Odor:SEE INGRED

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

Stability Indicator/Materials to Avoid:YES  
ST  
RONG OXIDIZING AGENTS, NITRATES, NITRIC ACID.  
Stability Condition to Avoid:NOT APPLICABLE.  
Hazardous Decomposition Products:NONE

===== 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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