

MARATHON POWER TECHNOLOGIES -- BATTERY STORAGE -- 6140-00-933-4286

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Product Identification  
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Product ID: BATTERY STORAGE

MSDS Date: 12/09/1992

FSC: 6140

NIIN: 00-933-4286

MSDS Number: BRDKC

=== Responsible Party ===

Company Name: MARATHON POWER TECHNOLOGIES

Address: 8301 IMPERIAL DRIVE

Box: 8233

City: WACO

State: TX

ZIP: 75714-8233

Country: US

Info Phone Num: 817-776-0650

Emergency Phone Num: 817-776

-0650 OR 800-424-9300

Preparer's Name: B. MULLEE

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

Other REC Limits: NONE RECOMMENDED

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  
CAS:21041-95-2  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.05 MG CD/M3  
ACGIH TLV:0.05 MG CD/M3

Ingred Name:NICKEL (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9293

Ingred Name:NICKEL HYDROXIDE (SARA III)  
CAS:12054-48-7  
RTECS #:QR7040000  
Other REC Limits:NONE RECOMMENDED  
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 RECOMMENDED  
OSHA PEL:C, 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:IRRITATION OF MUCOUS MEMBRANES,  
IRREVERSIBLE LUNG INJURY, KIDNEY IDSEASE, GASTROINTESTINAL  
DISTURBANCES, SKIN IRRITA

TION, UPPER RESPIRATORY TRACT IRRITATION,  
CHEMICAL PNEUMONIA, TISSUE DESTRUCTION, GASTROINTESTINAL  
DISTURBANCES.

Explanation of Carcinogenicity:CADMIUM AND NICKEL AND/OR THEIR  
COMPOUNDS ARE LISTED AS CARCINOGENS BY NTP & IARC. SEE INDIVIDUAL  
REPORTS FOR DETAILS.

Effects of Overexposure:IRRITATION OF MUCOUS MEMBRANES, DRYNESS OF  
MOUTH AND THROAT, HEADACHE, NAUSEA, DIZZINESS, IRREVERSIBLE LUNG  
DAMAGE, KIDNEY DISEASE, SKIN SENSITIVITY, ALLERGIC SKIN RASHES,  
UPPER RESPIR

ATORY TRACT DAMAGE, TISSUE DESTRUCTION OF SKIN, EYES,  
MOUTH, THROAT, STOMACH, NAUSEA, VOMITING, DIARRHEA, ABDOMINAL  
CRAMPS.

Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN ON MSDS BY  
MFR.

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

First Aid:MFR GAVE ALMOST NO INFO: HMIS:IF IRRITATION PERSISTS OR IS  
SEVERE, SEE DOCTOR. EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN.  
SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND  
LAUNDER BEFORE

RE USE. INHALED:REMOVE TO FRESH AIR. AID/RESTORE  
BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE VOMITING. IF  
CONSCIOUS, GIVE 2 LARGE GLASSES OF MILK OR WATER TO DILUTE & GET  
IMMEDIATE MEDICAL CARE.

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

Flash Point:NONE

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING  
FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR PROPER PROTECTIVE  
EQUIPMENT AND SELF-CONTAINED BREATHING APPARAT  
US 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.

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

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

Neutralizing Agent:SUPPLIER DIDN'T ADDRESS THIS FIELD.

HMIS; NEUTRALIZE  
CAUSTIC W/ DILUTE ACID.

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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.

Other Precautions:NO INFORMATION GIVEN ON MSDS BY MFR.

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

Respiratory Protection:WEAR A DUST OR MIST MASK RECOMMENDED

Ventilation:USE ADEQUATE LOCAL EXHAUST VENTILAT  
ION WHEN HANDLING LIQUID  
IN BATTERY.

Protective Gloves:RUBBER

Eye Protection:EYE GOGGLES AND FACE SHIELD

Other Protective Equipment:PROTEECTIVE CLOTHING TO MINIMIZE SKIN  
CONTACT

Work Hygienic Practices:MFR: ? HMIS:USE GOOD CHEMICAL HYGIENE  
PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING  
OR DRINKING.

Supplemental Safety and Health

KEY2:KT MSDS LISTED THE PHYSICAL CHARACTERISTICS OF EACH INGREDIENT  
WHICH DOES NOT ADEQUATELY DESCRIBE THE BATTERY ITSELF.

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

HCC:B2

NRC/State Lic Num:NONE

Appearance and Odor:BATTERY CONTAINING LIQUID ELECTORLYTE

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, NITRATES, NITRIC ACID

Hazardous Decomposition Products:"NONE"

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

Waste Disposal Methods:CELLS AND BATTERIES MAY BE RETURNED AT SENDERS  
EX

PENSE TO A PERMITTED TREATMENT, STORAGE AND DISPOSAL FACILITY.  
DISPOSAL SHALL BE BY APPROVED METHODS. HMIS: VERIFY DISPOSAL IS  
I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

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