

MARATHON POWER TECHNOLOGIES -- BATTERY STORAGE BB-433A/A -- 6140-01-046-1116

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Product Identification
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Product ID: BATTERY STORAGE BB-433A/A
MSDS Date: 07/15/1999
FSC: 6140
NIIN: 01-046-1116
Status Code: A
MSDS Number: CLMPW
=== 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: 254-776-0650 OR 800-424-9300 (CHEMT)
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

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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:0.1 MG/M3 (CD FUME)
ACGIH TLV:0.05 MG/M3 (CD FUME)

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

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

LD50 LC50 Mixture:NO DATA PROVIDED BY MANUFACTURER
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ROUTES O

F ENTRY: INHALATION: UNLIKELY.

ABSORPTION: UNLIKELY. INGESTION: NO. (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.

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, 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 =====

Flash Point:NON FLAMMABLE

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTER 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:NO DATA PROVIDED 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

Other Precautions:NO DATA PROVIDED BY MANUFACTURER

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Exposure Controls/Personal Protection
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Respiratory Protection:WHEN HANDLING THE LIQUID ELECTROLYTE, WEAR A DUST OR MISTMASK.

Ventilation:USE ADEQUATE LOCAL EXHAUST VENTILATION WHEN HANDLING THE LIQUID IN THE BATTERY. (SEE SUPPLEMENTAL)

Protective Gloves:WHEN HANDLING THE LIQUID ELECTROLYTE, WEAR RUBBER GLOVES.

Eye Protection:WHEN HANDLING THE LIQUID ELECTROLYTE, WEAR EYE GOGGLES & FA

CE SHIELD

Other Protective Equipment:WHEN HANDLING THE LIQUID ELECTROLYTE, WEAR PROTECTIVE CLOTHING TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:NO DATA PROVIDED BY MANUFACTURER

Supplemental Safety and Health

VENTILATION CONTINUED: POTASSIUM HYDROXIDE SOLUTION WEAR A DUST OR MIST MASK, EYE GOGGLES AND FACE SHIELD, RUBBER GLOVES AND PROTECTIVE CLOTHING TO MINIMIZE SKIN CONTACT.

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Physical/Chemical Properties
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HCC:B1

Boiling Pt:=407.2C, 765.F

Melt/Freeze Pt:=160.5C, 320.9F

Spec Gravity:8.642

pH:UNK

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER COLOR METAL. ODOR: NONE.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, NITRATES, NITRIC ACID.

Stability Condition to Avoid:STABLE.

Hazardous Decomposition Products:NONE

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Toxicological Information
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Toxicological Information:NO DATA PROVIDED BY MANUFACTU

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Ecological Information
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Ecological:NO DATA PROVIDED BY MANUFACTURER

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Disposal Considerations
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Waste Disposal Methods:CELLS AND BATTERIES MAY BE RETURNED AT SENDERS
EXPENSE TO A PERMITTED TREATMENT, STORAGE, DISPOSAL FACILITY
(TSDF). DISPOSAL SHALL BE BY APPROVED METHODS.

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MSDS Transport Information
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Transport Information:NO DATA PROVIDED BY MANUFACTURER

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Regulatory Information
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SARA Title III Information:NO DATA PROVIDED BY MANUFACTURER
Federal Regulatory Information:EPA REGISTRATION NUMBER TXD 054385018
State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER

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Other Information
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