

MARATHON BATTERY CO -- BATTERY STORAGE -- 6140-00-547-2193

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Product Identification  
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Product ID:BATTERY STORAGE

MSDS Date:12/09/1992

FSC:6140

NIIN:00-547-2193

MSDS Number: BRPDQ

=== Responsible Party ===

Company Name:MARATHON BATTERY CO

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

Preparer's

Name:B. MULLEE

CAGE:DO446

=== Contractor Identification ===

Company Name:MARATHON BATTERY COMPANY

Address:8301 IMPERIAL DRIVE

Box:8233

City:WACO

State:TX

ZIP:76710

Phone:301-321-5200

CAGE:DO446

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

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES

OSHA:YES

Health Hazards Acute and Chronic:IRRITATION OF RESPIRATORY TRACT, CENTRAL NERVOUS SYSTEM DISORDERS, SKIN IRRITATION, CORROSIVE BURNS TO TISSUE CONTACTED BY ELECTROLYTE. CHRONIC EFFECTS OF CADMIUM COMPOUNDS MAY CAUSE IRREVERSIBLE LUNG INJURY, KIDNEY DISEASE AND OTHER ADVERSE EFFECTS.

Explanation of Carcinogenicity:CONTAINS CADMIUM [7440-43-9] AND NICKEL WHICH ARE LISTED BY NTP AND IARC. CADMIUM IS REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:IRRI  
TATION OF MUCOUS MEMBRANES, DRYNESS OF  
MOUTH AND THROAT, HEADACHE, NAUSEA, DIZZINESS, UPPER RESPIRATORY TRACT DAMAGE, LUNG TISSUE DAMAGE, CORROSIVE BURNS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:FLUSH EYES FOR 15 MINUTES WITH WATER AND WASH SKIN TISSUE WITH WATER. IF PATIENT IS XONSCIOUS, GIVE LARGE QUANTITIES OF WATER. DO NOT INDUCE VOMITING. GET EMERGENCY MEDICAL ATTENTI  
ON.

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

Flash Point:NONFLAMMABLE

Lower Limits:NONFLAMMABLE

Upper Limits:NONFLAMMABLE

Extinguishing Media:USE EXTINGUISHING MEDIA 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 OXIDIZERS MAY CAUSE FIRE OR E  
XPLOSION. CADMIUM AND NICKEL FUMES ARE TOXIC AND CAN CAUSE DEATH.

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

Spill Release Procedures:BATTERY AND CELL CSES 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 DESTROYING THE PHYSICAL INTERGRITY OF THE CELL OR BATTERY.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:USE A DUST OR MIST MASK WHEN HANDLING THE LIQUID IN THE BATTERY.

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

Protective Gloves:RUBBER GLOVES RECOMMENDED

Eye Protection:EYE GOGGLES & FACE SHIELD

Other Protective Equipment:PROTECTIVE CLOTHING TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

HCC:B1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NIL

Solubility in Water:KOH APPRECIABLE

Appearance and Odor:NICKEL-CADMIUM CELL/BATTERY IN CORRUGATED FIBERBOARD BOX

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, NITRATES, NITRIC ACID

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:CELLS AND BATTERIES MAY BE RETURNED

AT SENDERS

EXPENSE TO A PERMITTED TREATMENT, STORAGE AND DISPOSAL FACILITY.  
DISPOSAL SHALL BE DONE BY APPROVE METHODS.

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