

MARATHON BATTERY CO. -- BATTERY, STORAGE -- 6140-00-197-9368

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Product Identification  
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Product ID: BATTERY, STORAGE

MSDS Date: 03/26/1990

FSC: 6140

NIIN: 00-197-9368

MSDS Number: BJPCF

=== 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

CAGE: D

O446

=== 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 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  
CAS:21041-95-2  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:.2MG/M3 MANUFACTURER  
ACGIH TLV:.05MG/M3 MANUFACTURE

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 #:QR7040000  
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:NOT PROVIDED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute

and Chronic:OVEREXPOSURE TO VAPORS MAY CAUSE IRRITATION OF MUCOUS MEMBRANES, IRREVERSIBLE LUNG INJURY, KIDNEY DISEASE, CHEMICAL PNEUMONIA, CANCER. REPEATED CONTACT WITH SKIN MAY CAUSE SENSITIVITY AND ALLERGIC SKIN RASH, TISSUE DESTRUCTION. INGESTION MAY CAUSE GASTROINTESTINAL DISTURBANCES, DESTRUCTION OF MOUTH,THROAT,STOMACH TISSU

Explanation of Carcinogenicity:CADMIUM AND NICKEL REASONABLY EXPECTED TO BE A CARCINOGEN BY NTP; NICKEL CARCINOGENIC TO HUMANS PER IARC.

Effects of Overexposure:INHALATION: DRYNESS OF MOUTH AND THROAT, HEADACHE, NAUSEA, DIZZINESS, LUNG TISSUE DAMAGE. INGESTION: NAUSEA, VOMITING, DIARRHEA, ABDOMINAL CRAMPS. SKIN/EYE CONTACT: TISSUE DESTRUCTION, SKIN RASH, SENSITIVITY.

Medical Condition Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

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

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

Flash Point:NONFLAMMABLE

Extinguishing Media:USE 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 EXPLOSION. CADMIUM FUMES OR VAPORS ARE TOXIC AND CAUSE DEATH.

===== 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.

===== Handling and Storage =====

Handling and Storage Precautions:DO NOT INVERT. AVOID BREAKING, CRU

SHING OR OTHERWISE DESTROYING THE PHYSICAL INTEGRITY OF THE CELL  
OR BATTERY.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:WEAR A DUST OR MIST MASK PER MANUFACTURER.

Ventilation:USE ADEQUATE LOCAL EXHAUST VENTILATION WHEN HANDLING THE  
LIQUID IN THE BATTERY, I.E., POTASSIUM HYDROXIDE SOLUTION.

Protective Gloves:RUBBER GLOVES

Eye Protection:EYE GOGGLES, FACE SHIELD

Other Protective Equipment:PR

TECTIVE CLOTHING TO MINIMIZE SKIN  
CONTACT.

Work Hygienic Practices:WASH AFTER HANDLING.

Supplemental Safety and Health

NONE PROVIDED BY MANUFACTURER.

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

HCC:B1

Boiling Pt:=407.2C, 765.F

B.P. Text:765F(CD)

Melt/Freeze Pt:M.P/F.P Text:320F (CD)

Spec Gravity:8.642 (CD)

Solubility in Water:INSOLUBLE

Appearance and Odor:BATTERY CELL

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

Stability Indicator/Materia

Is to Avoid:YES

AVOID STRONG OXIDIZING AGENTS, NITRATES, NITRIC ACID.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

===== 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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