

MARATHON BATTERY CO -- BATTERY STORAGE -- 6140-00-738-5914

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Product Identification
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Product ID: BATTERY STORAGE

MSDS Date: 03/26/1990

FSC: 6140

NIIN: 00-738-5914

MSDS Number: BPVPB

=== 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: T. MESSING

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
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 =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: UNDER NORMAL CO

CONDITIONS OF USE

ITEM IS NON-HAZARDOUS. IF CONTENTS SPILLED: INHALED- FUMES OR VAPORS MAY CAUSE RESPIRATORY IRRITATION. CONTACT WITH ELECTROLYTE MAY CAUSE BURNS OR SEVERE IRRITATION TO SKIN AND EYES. SWALLOWING MAY CAUSE SEVERE DIGESTIVE TRACT IRRITATION. CHRONIC: INHALATION MAY CAUSE CANCER.

Explanation of Carcinogenicity:NICKEL AND CADMIUM ARE ANTICIPATED

CARCINOGENS LISTED BY NTP. IARC LISTS NICKEL AS A KNOWN CARCINOGEN.

Effects of Overexposure:INHALED: COUGHING, WHEEZING,

SHORTNESS OF

BREATH, CHEST PAIN, DIZZINESS, DRY MOUTH. EYES: BURNING SENSATION, PAIN, TEARING, REDNESS. SKIN: RASH, BLISTERS, PAIN, SWELLING.

INGESTED: NAUSEA, VOMITING, SEVERE STOMACH PAIN, BURNS TO MOUTH AND THROAT.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:INHALED: MOVE TO FRESH AIR. GIVE RESPIRATORY SUPPORT AS NEEDED. SEE DOCTOR. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES.

SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHES. FLUSH WITH WATER, THEN WASH WITH SOAP AND WATER. IF BURNED, SEE DOCTOR. INGESTED: DO NOT INDUCE VOMITING! IF CONSCIOUS, GIVE LOTS OF WATER AND GET IMMEDIATE MEDICAL ATTENTION.

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Fire Fighting Measures
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Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion

Hazard:CONTACT BY BATTERY CONTENTS WITH STRONG

OXIDIZERS MAY CAUSE FIRE OR EXPLOSION. CADMIUM FUMES OR VAPORS ARE TOXIC AND CAN CAUSE DEATH.

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Accidental Release Measures
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Spill Release Procedures:IF BATTERY CASE DAMAGED AND CONTENTS SPILL; WEAR PROPER PROTECTIVE CLOTHING/EQUIPMENT. NEUTRALIZE, ABSORB WITH INERT MATERIAL AND PLACE IN A CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent:5% ACETIC ACID

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Handling and S

torage =====

Handling and Storage Precautions:DO NOT INVERT. AVOID PHYSICAL DAMAGE.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:NONE NORMALLY REQUIRED.
Ventilation:NONE NORMALLY REQUIRED.
Protective Gloves:SPILL: RUBBER
Eye Protection:SPILL: SAFETY GLASSES/GOGGLES/FACESHIELD
Other Protective Equipment:NONE NORMALLY REQUIRED. SPILL: RUBBER BOOTS,
COVERALLS OR IMPERVIOUS COVERA
LLS TO PREVENT ELECTROLYTE CONTACT
WITH SKIN.
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.
Supplemental Safety and Health
PHYSICAL DATA IS FOR ELECTROLYTE (POTASSIUM HYDROXIDE).

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

HCC:N1
Boiling Pt:B.P. Text:1322F,717C
Melt/Freeze Pt:M.P/F.P Text:360F,182C
Spec Gravity:2.044
Solubility in Water:COMPLETE
Appearance and Odor:SEALED BATTERY
; ODORLESS. 1.034 IN. X 0.936 IN.
STEEL CASE. 1.2 VOLTS

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, STRONG MINERAL ACIDS
Stability Condition to Avoid:PHYSICAL DAMAGE TO CASE ALLOWING CONTENTS
TO SPILL. CONTENTS CONTACT WITH INCOMPATIBLES.
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:D

ISPOSE OF IN A COORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. MANUFACTUREER SAYS OK TO SEND (AT USER
EXPENSE) USED BATTERIES TO MANUFACTURER.

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